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an						362
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agtgggatat	tgacaaaatt	cgaaagaggg	aacagcgact	caaccgacac	ttagcagaag	180
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gcggcacaat	cactatcaat	gctcgggaagt	ttgaggaaat	gaatgcagag	cttgaggaga	300
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cagtttaattc	caaagcataa	agaaacaatt	accctcaaag	tataaatata	ataactaatca	300
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gctagcagaa	gaagagaaat	aactaaaaat	agagcacagc	tgaatgaagt	tgagaccag	300
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412

<210> 1849<211> 390<212> DNA<213> Homo sapien  
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120agacaattca cctacctcgg cctcccaaag tgctggggtt ataggcatga gccacctcat  
180ccagccataa gttgttaggt tttaaagtctt aaataatgtg gattttaaga gtactatatt  
240aattagagtt tatgaatact acagtaatac aagccttcac tctgtaatg tttttgtgtc  
300ttctcaagtg tgacttttct aagccttcaa gacattgaag ttttaattga aataggtttg  
360atatacttag gcttttcacc caatccctta  
390

<210> 1850<211> 395<212> DNA<213> Homo sapien  
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120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
180gatttctctc tgtctccgc gcgtctctc tctctctata tataaacctt ctctctctct  
240tccagccccc cccggggggg gcgtcgccc cccccacct ctctttttt tttgaatgtc  
300tgggttgccc cctgttctc tctgtgccc cccccctt caggggtgcg cgcgcacaca  
360cctctctctt tttcttgcgc tctctctctg tggtg  
395

<210> 1851<211> 395<212> DNA<213> Homo sapien  
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60tcacccacaca gatgggtccct cagagcagag atgtctaataa aaagggttcag agtcagatca  
120ctaactttcc atcttccact ttttccagtgt gtggccatgt tcccccggtt gccttcacaa  
180aaaccttgtg aataatacaa gccatatgga ctctgattta cagtttagaa gatgagcaga  
240gggtgggtgtg agttgcccag tcatgttgct agttgttgaa gaaactacga ttgttctcag  
300gtccttgggct cctggcccat agaccagtgg ctctgtgttc tgatggggta ttggggagga  
360tttttacaaa tgcacggtcc tgagattgtt cctgg

395

&lt;210&gt; 1852&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggggggntat tttgtgatgc tgctgtctct aaccaccaag tatgtgctgc  
60ttaaaaaagaa atgtaagggg ctgccttttag caaatgtgcg tagtagtcta cttaatcctc  
120atgtttaaaaa tcgaaaaatg ggccaggcgc agtgggtcat gcctgtaatc gtagcacttt  
180gagaggccaa ggtgggtgga tcacctgagg tcaggggttc gataccagcc tggccaacat  
240ggtgaaacct cgtctctact acaaatacaa aaattagctg ggtgtggtgc cacatgcctg  
300taattccagc tacttgggag gctgaggcat ggagaatcgc ttgaaccag gaggcagaag  
360ttgcagtgtg cagagatcac accactgcac tccagcctgg gcaan

405

&lt;210&gt; 1853&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg agcaaaggct ttttgaggtt tgaggctgca tctgctggag caaaggga  
60ccgtgggctt ttccggccaa atactcttga gctctgtgac cctgctcctg tcaccccaat  
120ttctccaagc cagagggagc tttctcagag ccccttggtg gatctgtcct acacctgctg  
180ctgacgagag cggacttcca gctctaacag accagtgtg ctacctcat atgcaagtcc  
240tggttaggaa gagtgtgtgc tgcctatctt atgaccgcc tgctattgg ntgactgcat  
300tctaggatga gtttcttttag agggagctcg aattcctcct ggtattatcc cctgcccc  
360ttagccaggc gtatattcga tgcctccacg ttatgtcttt acacac

406

&lt;210&gt; 1854&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggattctcat aaggagcatg caacctagat ctcttgca tgcggatcac  
60agcaggattc gagctccttt gagaatctaa tgccatggct gatctaacag gaaactgagc  
120tcaggcagga atgcttgga cggccccca cggccccca cttctatgc agccggctg  
180tggtcctggg actggggacc cctgctctag tcagtaataa ggtacttatg ccagaatata  
240aatcaacaca ttgttctctt tatcaaaagaa gtcttggtat ttaaaaaaag tcaactgagc  
300cagtatgatt agtgatgtaa ttgattttca ttctggcaca agcctctttc attctggaca  
360gtcacaaat agttaatgga ccattgcttg aatagccttc ctctaaac

408

&lt;210&gt; 1855&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg catattggcc aggtgggtct cgaactcctg acctcaagt atccaccac  
60ctcggcctcc cagagtgtct ggattacagg catgagccac cgcacctggc cagatctttg  
120tatgtcttaa gtgtttcaaa gttataagca ttttctggg gggatgtcca ttttgaggg  
180atccattttg atccttttga ctctataatg tgaactttcc cctgttccaa cacttaaaag  
240agaattatta gcacataatc taaaagatgg aattttttt ttcttgagac agagtctcgc  
300tctgtcgcca ggctggagtg cagtggcgcg atcttggtc actgcaacct ctgcctcctg  
360ggtttaagcg attctcctgc ctcagcctct ggagta

396

&lt;210&gt; 1856&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagac aataatgttc tgaatccttc ctgttcacgc tgctttctta attcatttct  
60ccatgtcatc aagagggttg ataacttatt tctaagctca aggttaaaaa tcatgtcacc  
120tttttttttt tttccccac cccaacccta aaaaaattgg caatggggaa agaaccagga  
180ccctaagggg ggggcgaaaa aaagccaccc caacccttg gcctttcaaa aaacccggtt  
240ttccattttt tttatcctta accctcccc caaacttaac aaaagggggg ggggcctgga  
300tggcaaaaaa aaacggtgaa aaaaagccta aggcgcggaa accggaccat taatggccgg  
360gttaaaccta accggggccc ttttaagttg gttttaacag cg

402

&lt;210&gt; 1857&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgattttcga ggcaaatggg taatcctcat cctgtttcta atgtccaggg tgctgtcagc  
60ctaacttctt tctatagtga gatagatatg ttcagagcct tcaagctgg gtggacactg  
120accgctgaa ccagtctgc agagttagga acaccagcaa ttttttttga gacagtttgc

180atctgttgcc aagcgggagc gcattggccc aatctgcct cactgcaagc tctgcctccc  
240gggttcgagt agtttgcctg cctcagcctc ccgagtagct gggactacag gtgcctgcc  
300ccatgcctgg ctaatttttg tatgtttaag aaagacaggg ttcaccatg ttggccagga  
360tggcctcaaa cttctgatct caagtgatcc accn

394

&lt;210&gt; 1858&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aagattaatt tatccttggtg cagccctgag atcaggaagg aggacaggcc  
60aggagatggt tctactccag gcaccactaa ggactctatt tcaaaggcag atcctgctcc  
120ttagtctttt tagatctgaa tctaactctg aatccacaaa attatcctat gaattctggt  
180ttatcaacgc acatgattcc tggcaccatt gcatagcttc aaggtaaaag agagccttgt  
240ttccattatt ttgctatggt ggcttttggg aagacagaga gcattctttt gaaagcggga  
300aacttaagga aaagttggcc aagtacacag gaaagttcta ccacacctta atatagagaa  
360caaatagat gcttctcatt tggggaaagt agctaagagg ac

402

&lt;210&gt; 1859&lt;211&gt; 159&lt;212&gt; DNA&lt;213&gt; Homo sapien

gacacatcaa ttgtcaataa atcaaggcac actgcactgg acattgctgt attttggggg  
60tataagcgta tagctaattt actaactact gctaaagggt ggaagaagcc ttgggtccta  
120gcgaatgaag gggaagaatg tgacaattat tttagcaag

159

&lt;210&gt; 1860&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcaaagatct gaaccagctg attaccatct tggctacttg agaactcagg  
60tctgtccaat aaacacctta atccaagggt gtgttaaata catatatata ttttttact  
120ttacgtttat ttattttgaa aaattttcaaa cctatagaaa aattgaggca gtaccatagt  
180cttagtccat tttccattac ttagaatate caaaagttag taatttataa agaaaattaa  
240tttattttctt acagctatgg aggccaaagg cgaggggaca tatctgggtca gcgctttgcc  
300atgttgggtca ggctgggtct gaactcctga cctcaaggcc tgccttggcc tcccaaagt  
360ctgggattac aggcataagc caccgtgccc agccacctct gag

403

&lt;210&gt; 1861&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cctttgcaac cactgatggg aggaacagag agcagcattt cagaaccagg  
60ttctccttcg aggaacagag aaaatgaaac cagcagacag aatttgctag atggaatttc  
120actcttggtt ccagggctgg agtgcaatgt cgcgatcttg gctcactgca acctccact  
180cccgggttca agcgattctc ctgccccagc ctcccgagta gctgggatta caagcacctg  
240ccaccatgcc agagtaattt ttgtattttt agtagagatg ggttttcgcc atgttgacca  
300gactgggtct aaaccctga cctcagatga ttcattccacc tcggcctccc aaagtgtggt  
360gattacaggc atgagccacc aggcctggcc cattctgtct tc

402

&lt;210&gt; 1862&lt;211&gt; 440&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaacttta ttaagtgaac ttaacctgag ataaaaattt ctattgacta  
60gaaatcccag tctatttcag atctccccct ccaatctcct atatgtagaa gtgtgacttt  
120tgcaattgat atttttccct tatggtggga gttcattttc ctctcagagt aatgtcatct  
180gtttttctta aggcccttct tagataccga aatttacaaa ccattaaata aattgagagc  
240ctgaaaaagt tgtacttgtg acaaagcctc tcaactgacac ctacagaaca gcctcctctg  
300ctattgagtc acttgaccgg gatctgtatc tcctcacaaa gctactatcc aggcctatct  
360tagggctctg ggacctctgc tgagatcact cgtaatatata gtcattgtct atgtgccagc  
420agcagttaaa ttctatccct

440

&lt;210&gt; 1863&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ggcttcgcct ttgaccttta tgctggtctc ggctgaggtg acacgctagt  
60gacagcccaa taggggggta cccttattga gtaaaatact tcagattgac agctcaatct  
120tagtttgcct ccagttaatc ttttatgctt agggattaaa tgtgtgggtt ttttttgggt  
180tttttttttg gaaacggagt ctgcctttgt caccaggtt ggagtgcagg ggcgcgatct  
240cgggttaattg aaacctctgc ctccgggggt caaacgattt tcctgcctca ccctcccaag  
300aagctgggat tataggcccc caccaccatg cctggctgat tttttatttt tagaaaagat  
360gggggtttcac cgggtggggc aggctggtct cgaactcctg acctcgggat can

413



<210> 1864<211> 408<212> DNA<213> Homo sapien

cactccttgg ctatctcaat ccatttcctt ggatcctgaa tcaataggaa cgtgttacaa  
60tgtttgtc tctctgcctg cttttaagta ttttgaataa gctaggcaat taaaaaaaat  
120tttttaagag tgcttcataa gatgaatgga aggttaagtt gctgactaat attcttggat  
180ccagaatatt agtccttcac tttatggtct tgtacatagc ttaagctaac caactctttt  
240ttctcatatg agagtaatat ataaattttg agttatagga ggcataaata ttttcattac  
300attttccgta agtcctttta gaagagtgtc ttctatttca gacattgttg acctgaaaat  
360ctcttaaaat ctgtctgcca tctgtggtg gtgatggcct cacacagg  
408

<210> 1865<211> 389<212> DNA<213> Homo sapien

gtttggaggg caaggccggt tgattccttg tcgctaggag ctcaagacca gcctgggcaa  
60tatagcaaga tttcatctct acaaaagaaa gaaaacattg gctgtgcatg gtgggtcatt  
120cctatagtcc aggtactga ggagcctgat gtaggaggat cacgtgaccc cagtagtttg  
180aggctgcagt gagctatgat cctaacactg ttctccagcc tgggtgacac accatgttga  
240catctcttcg aaaaaggaat ctacagacat cagtgtgtgc acaagcatgg cttgtgaatt  
300tggaagtgtg tatgtgcgta gctgtgctca agaattgtgt gatgattata cttctcaga  
360atgaaggtaa ttattttttt ctttttttn  
389

<210> 1866<211> 398<212> DNA<213> Homo sapien

ggcacgaggt ttaaagtttt aaaaaaactt ccaagattat ggataagccg gatttctctc  
60atgcttatga ttagggagtt aggatttaaa gatgcaaagc agaaggactg aaaggatag  
120ccagtgaata tgtttcagtg ggggaggtgt gaaagctttt ctaataataa tcgttgctat  
180ggcctgtgac tgcttattct ttatcaatga gaactacca aactagttct tttcttgatc  
240tgaggaacca cacagctcac atgagaatat actactggga ctagggtgac ttcactcctt  
300ttcacctgag gcctatcttg gccttttagc accttgacta tctatgaaaa gactgggtct  
360ttgttttccc atgtataaaa atgatgtgtt ggataatt  
398

<210> 1867<211> 410<212> DNA<213> Homo sapien

cgttgctgtc gaaactgcca cggccacgag gagtctaagg acacatccaa tttccattcg  
60catccaaat ggaatccgag acagaaagag gaccttagcc ttcataatctg ttttttctt  
120atgaagcttc ttctggttgg aaacttgta aatttcata ggtaagaagt gctaaagtga  
180acctgtaaac tttgtttcaa aaaacaaaaa ccgaagtta agaatctaa agatgggtgtc  
240agccttagac agatctctgg actgtaattc gggaaagggtc aaataagatc tccaatcgtg  
300tacaattcca aatacatttg agagcagtggt gtctgaaaat gtgggtccca gaccagcagc  
360atcaacacca tgaaggaagt tgtaaaaaat gcaaattctc aggtctctcn  
410

<210> 1868<211> 387<212> DNA<213> Homo sapien

cgttgctgtc ggattcttta atattcttac tttcataaat agtggtgtag tgaaggtaat  
60tgattcatga ggaatatttt ccacatgttt ttctgcattg ggggaacatg ttcataatagc  
120acattattaa gactgctggc caggcgcggt ggctcacgcc tgtaatccca gcacctgga  
180aggccaaagc aagtggatca ctttaggtca ggaattcaag accagcctgg ccaacatggt  
240gaaacccac ctctactaaa aatacaaaaa ttatccgggg gtggtgactc atgtacctgt  
300aattccagct acttgggagg ctgagacatg ataatcactt gtacccaggg agcggaggtt  
360gcagtgaagt gagatcctgt cactgtn  
387

<210> 1869<211> 405<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt gagttagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gagagagaga cccccctctt tctctcgccc cctgtgttt tttttttgt  
180gtcaccccc cccccctct atgtgtggct ctatgtgttt ttaccccc ccccccccc  
240ctcttttgtg tctctcacac aaaatgtgtg ctctttctc tctctctcac ccacatataa  
300gatatttatg ttccctctct tttctttctc tcgctcgccc ccgctgctt tttctctct  
360ctctctctc gcgctccaca tctctctctc tctccccg ggggc  
405

<210> 1870<211> 403<212> DNA<213> Homo sapien

cgttgctgtc gcctactggt actttgtatt taagatgata gtccaggtgc tcaggccact

60ttaaagattg ctctaaactg tatgggtgaag ttggccaagg gcaggcccca tcttagccag  
120tcagtagttg agaccttggt gactcaattg cacagtgtc aagacgctgc ccggattttg  
180atgtgccatt gcctggcagc cattgccatg caactgccgg tgctgggtga tgggatgctt  
240ggtgacctca tggagctgta caagtgatt ggacgatcag ccacagacaa gcaacaagaa  
300cttctgggtga gtttggctac tgtgattttt gttgcaagtc ataaggcatt gtctgtggaa  
360agtaaggcag taattaagca gcagcttgaa agtgtctcca atg  
403

<210> 1871<211> 401<212> DNA<213> Homo sapien  
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60gttattggtc cgtatattac ctgtaagcag atactgtatt ttatttttagc ctatttgaca  
120gaacacatca ctacagaaaa gtgaagtttc agagcaaaca gtgaagaaat cagtgtgatt  
180gtagacaaaa agtcagttta cagaacggag cagcggggag aggaagggaa agcttcata  
240gttttgggtgct taccacatca agagattggg aaatttttga tgaaagacag gctaattggg  
300ctctgaaatg gaacaactcc tttaaacgtg cagccttttg aatttttctt cacaaccaag  
360aagttgacct ctgagctgtc aggtgaccac tgtgtgcaaa g  
401

<210> 1872<211> 385<212> DNA<213> Homo sapien  
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60cctgcctcag cctcccaaag ttctgagatg ataggcatga gccattgtgc ctagcctatt  
120ttgatttttt tcttaaagtc aaggtcttgc tctgttgcctc aggtgatct tggacttgcg  
180agccaccatg cctggctggg ttttttacia atagaatctc actgatagcc tgcaggagac  
240agatgcagcg cctgcttccg tatcagtcca aggagccctc gtgtttgcca cctttacctt  
300tgaacctccc cctgcctccc tgctgtgtc cgcttttgca gctcaatgcg gccatgacaa  
360ggagagaaaa gacactggaa ggccc  
385

<210> 1873<211> 404<212> DNA<213> Homo sapien  
cgggtgctgg cggatcttct ctaatatattt atttgccaca ggctttattt tgaatatgct  
60gctagatttt atttaggggg ctgtgcatta tgaaggcttc tttatagagg ccsaataaga  
120atgccttttt ataaagcctg tgcatttagg taggttgaag ctaggaggat tttctttata  
180atgctctttt gcatgtaaag cacaagtat gtttcagttt aaatgcactt cttccgggta  
240atttttatgg ggaagacaag tgagtcacaa acattctgtt gaagggaaat ctaaccagat  
300gcttgaaaaga gcacagccca aataaaacaa ggactgacta ggtgtaataa aataacctgt  
360gattaaaaag aagagctgca gctttgacag tgcttattta aaga  
404

<210> 1874<211> 401<212> DNA<213> Homo sapien  
ggcagcagga ggtacaaaac ttgggatcaa atggaatctt gattcactaa ccaatttaag  
60agctgacttc taatttttagg aactttgggt tatgaacgt tccattttat acctgtgtct  
120agttagtttc tgcctatcta tccgagaagc ttttatcaag ggtacaccat gtgccagcca  
180ctgaagtaga tataaatata aggatgtgta aggtatggat gatggtatc gaactggcat  
240cttactggat ttgtccgctc tgtaaagat actgatccga aaacttttta aagccctaga  
300gagggcttta aggcaatgta gcatcatata tagaggcatc aacctgttca tatctttcta  
360tttaacagaa ctgtgtctct gggcacaagg gtgtgcacaa a  
401

<210> 1875<211> 397<212> DNA<213> Homo sapien  
ttattccgtt gctgtcggct tcaggtatca aggttagctt tgggaaccag actacagatg  
60agacagctga aagcaaagag gctgaggcgg agcacagacc aaaaaagagt ctacggggag  
120aagaagggaa gctagtaagc aacttatagg gggcagtgtg agaaatgtca catgttacat  
180cgctcacaca gagaagcaga atttatcaat tttcaaaggg aaatgtctc tgtctactga  
240caaggattta atttttgctt tttttttttt tgaaaagggg gcatattttg tttccaggg  
300cgggagtaat gggataaaat ttggtttatt tgaagctccc cctcccgggt taaaaccatt  
360ttttgggttt aaacctccaa gtagctggga ataacgg  
397

<210> 1876<211> 465<212> DNA<213> Homo sapien  
gggaccgaag aatcacgan nttnnnatag gatcccagtc cgttgttgtc gctggagtg  
60agcggcacta tctcagttta ctgcaacctc cgccttctgg gtgcacgtga ggctcttgcc  
120ttagcctctt ttagctggg actacaggca cgtgccacca tgcctggcta atttttgtat

180ttttttaaata gagacgggggt ttcactgtgt tggccagggt ggtctcgaac acctgacctc  
240agggtgatcca ttcgtcttgg cctctcgaag tgctgggatt ccaggcgtga gccactgcgg  
300ccagcacatt tccactttta gacccactc cataccacag gtttcattta agaagaaaga  
360gctagataaa tgtgctcttc tggttacccc accctgacag agtgcatttt tacacggcta  
420gcaggggttg agactgcagc ctggcctgcc agccattgga ggtgg  
465

<210> 1877<211> 388<212> DNA<213> Homo sapien  
cgttgctgtc ggtgtaagac aatcagatat ggtgaggcct gtgttaaact gggcatcttg  
60ttgccatata gaagagatct tctcttctta cggatttatt tctctttttt cgtgctttgt  
120agcaaacata agacattttt agcacacctc tcttttaata gtactattct tgtgtggcaa  
180gtactattct tgtgtgacaa gagaactact gagccacaga gtgacgatca aaagctaggc  
240gtggaataaa ggtgtacaaa ccagctttgt gaccttgtgc aatcactgca cctgcctggc  
300ctcaactttc tcattgataa cataagaata gcaatgatgc tttctttata gggctgaggt  
360gacgattaag agttaatata gaacttag  
388

<210> 1878<211> 429<212> DNA<213> Homo sapien  
ggcacgagcg ccggccccag tccccatggg ctgaaggcag gttgagttct tccccaggtc  
60tgcgagcctc gaaggcttct ttcagacagc agaccctta caagcgcaag gctgctttct  
120gacaaagaat caagtgttcc tttcaaccag ccaagggact ggtgttctcg ctgacctttt  
180gacagctcca gccggctcct ccgttcgagg tccctgactt cctgcaacag actgagatgg  
240ccttctgagc ttttccaggg ctgacgacca ccttcttgat accttccct ctctcgatct  
300gaatccgtgc ccaccagatg gggccgtcta gttgcaggaa aacaagctca gggctccac  
360tgattctaca tgatgggaat ccaggcttct ggagatgagg actgggaggt cccccacca  
420cacaagcct  
429

<210> 1879<211> 433<212> DNA<213> Homo sapien  
cgttgctgtc gggagctgct cccaccttcc tgacctacc ctgctgcacc attccccag  
60ctgggctgga aggttccata actggccagc tgccccata actggcagca tccccagacc  
120cagggtactc taataggggc ggctcaggca ctgagactac cgctcaacc cagggtggtt  
180ttcaggagtc cgaggtagcc ttcaatcact ggactccatg gccttccctt cgtgttgacc  
240ggaccttct tccagggctt ttcctttggg ggaggcggag aggggagaag aaggaaagga  
300agggcagaag gaaggagga agaaaagaaa gcaaaggaac agaaggaag aaagaaagat  
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420ccatcaccag ccn  
433

<210> 1880<211> 422<212> DNA<213> Homo sapien  
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60gtcaggcggg aaaagaggac tccaaatcca ttctctgctc gccccaggg caatgctgcc  
120aggagagggg gtgggttccc ccgaggcta tcccaccgat ggggtgaga gcttaactcg  
180gggttttatt tgaattggag acattgttcc ctcttcgctc ctctaccca taaaattccc  
240tacaatgca aaaattccag atagaagaag ccgtccctga aagtaagttc tgaaggattc  
300ctttcatgcg gtgaaggaa aacaacaata ttcaacttca ccttggtgtg tgagggctga  
360cgtgctttac aacactatcc ctgtagaaag attactgaaa tgtattggaa gaagtagtgg  
420ag  
422

<210> 1881<211> 418<212> DNA<213> Homo sapien  
gtgagccgag attgcgccac tgcagtccgc agtccggcct gggcgacaga gcgagactcc  
60gtctcaaaaa aaaaaaaaaac cttgccgggg ggataaaaaa cccggggcct ttggcccagt  
120ttgggaagtt ttatggggga agaattgtta aactaaagcc ctttaggggtg gcggggcttt  
180ttaataatcc cgttttttac aacctgggca aaaaaataaa accccctttt ttaaaaaaag  
240aatttggcca aaacaagggg ccttaaccct tgaatccaa ccttttgggg ggggtggaccg  
300gaaccattgg agtaagaat ggggaaacag gccttgacaa aaaagcgaag acccattttt  
360tcaaaaacca aaaaggtaaa aaaaaattgg gtacgggggc ccagccctgg aaacccaa  
418

<210> 1882<211> 417<212> DNA<213> Homo sapien  
cgttgctgtc ggaacatggg tttggctatg gcttgactca tgggctttca gtgctttttt

60ccatttgttg aaagtaacat ttctctctct ctctctttct attttttctt tttcaaaagc  
120aaacattggg tggggaagg gtcaaagcta ctttttgccg tattgggttt tttggccacc  
180cttccctttt ccaatggaag gccaggtaaa aaaaaccgcg ggaggggcgg ctcatTTTTT  
240taatttttaa aaaagggggc cccaggggtg caaggcaata aaattggaaa tgaccctttt  
300gagaactttc gtttttgctt aaaaaacagc gggttgatga gaactcaaaa acctaaaaaa  
360gatttttagtc aaagggaagg ctctttttct caccggacct ttaaaaaaaa aatggcg  
417

<210> 1883<211> 393<212> DNA<213> Homo sapien

ggcacgaggt gagctcttgg caggacctaa acctccttgg aagataggca gaaagctctc  
60gacaccattc catggccac gaaccaatgt aagatgagca aatggcttga aggaattgct  
120acctccaggt caagccagg atgcagcact gccgagacca cgtttgtgcc aagcactggg  
180ctggaccctg tgcagaacca aatgaacaag gcacgttccc ctttcagcac taacggcact  
240gtaagaacag ggagaagtgg aatctaactt ggcctgaggg tagagggtga tcagctaagt  
300ctgaaacacc atgtaaaaac ttgccatgta tggcggggcg cggtggctca cgctgtaat  
360cccagcgctt tgggaggcca aggtggggcg atc  
393

<210> 1884<211> 185<212> DNA<213> Homo sapien

cgctctcatt gattagtga acggaccttc caaacctggc ttataagaag ctaaaaggca  
60aaagtccagg aattatcttc atccctggct atctttctta tatgaatgg acaaaagcgt  
120tggcgattga ggagttttgc aaatctctag gtcacgctg cataagggtt gattactcan  
180gagtt  
185

<210> 1885<211> 392<212> DNA<213> Homo sapien

cgttgctgtc ggctgaaggc tcatgaagct gaaatgtggg aagttcactt tcgcgccatc  
60cagcccagaa catcttttta cctgctctga agatggatcc ctctggcact gggatgcttc  
120cacagatgta cctgaaaagt cgtcactctt tcaccaagggt aaaacttttt aatgaatact  
180gttatgtgta cttttttttt ttttttttaa aacaaagtct ctttttatac cccaggctga  
240aaggcagggg cccaatttcg gtttaattgaa acctccgctc ccgggggttaa agcaattttg  
300gggcctcacc ctcccaagaa gccgggacta ttatttttgc cccccggcc cgggctaatt  
360tttttgttt ttaaggggaa aggggggtccc ct  
392

<210> 1886<211> 413<212> DNA<213> Homo sapien

taaggcccac agcacatata gactgactgc gatattctat tttcatggca gggagtgate  
60aggaagaagg ctctctaggg gactggcgat ttaaaccagt tgagaaacac tgccatcagc  
120aggcagtttc agactcactc aagttgtctc ttgacagtca ctctaaatg ggttctaagt  
180tgacaatggc ctccaaaact acagccttcc ctgaagttaa agctgtgacc ttagatttta  
240gaaggacagt ggggctgtac ctagaatagt ggttctcgaa gaatgcggcc tgcagatcct  
300gggaggtcca agacccttc agggaggatc tgtgaggtca actgttggca ctgtggcatg  
360aatcaagggt gtggcagcaa acttctagta gttttgatat gtccttgata gan  
413

<210> 1887<211> 387<212> DNA<213> Homo sapien

ggcacgagcc agccttgaac ttctgggac aagtgatctt cctgccttag ccttctgagt  
60agctgggacc acaggctcat gccaccacac ctggctctaa cctgaaattt tcaatatgat  
120cataataacc ccagcgtgtg ttaacctaca gattgtcctt taaaactcaa ttgcttttagc  
180agcttttaag atcctcccca tcccttacta ctacactttt aggctgtata tcattccagc  
240cctaagctcc agagagcctg gttcaaatgg acactacagt tttttccatg cgtatttaat  
300gctcacagaa caaaccccaa tagaccacaa ctttactca gactaacaca gcattctact  
360tgctggcag gttcacagat cataaat  
387

<210> 1888<211> 422<212> DNA<213> Homo sapien

tgcacgagga gagagagaga gagagagaga gagatagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagacagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gcgagcgaga gagagagaga gagagagaga gagagagtga gccccccccc  
180ccccccgcac ccatgtgcgc ctgtgtgttt tttgtgtgc gggccctgt cccccctcg  
240atctgttctt ttctatccat ccacatgctt tgtgtgtgat cctaaccccc agagcttga  
300cttccagagc tcacttttcc ttattgcttg tgtgggcga cgcctttttt tcttcttat

360gtctagaccc acgctctctc tccttgtatt ccctgcgttg ggctgaggac accccgcacc  
420ct

422

<210> 1889<211> 410<212> DNA<213> Homo sapien

ggcacgaggt gaccttgcca tgcattcatat ctgaggcac gagatattcac agtgtcctgc  
60tgaggatagt catttggata tcttatttaa agtgggtgtct gtcaagcttt cccaccgtag  
120gttctctat ttccttgaa atgaacaagt aattgtggg cgattttttc ggactatatt  
180catatgtttt gactcatcaa attgtcacct cctagattgg gcatgcattg atgattctta  
240cccaagtcaa gtattattac aatgggtgtc agatggcaat cttctaattt catttgtgca  
300tctgcgcca tcaattggca ttctacgaaa atatggagcc gtcgtgagct tgcattacct  
360tgtgcaagag ctatggctat gctgagcttc tccacatatt tacaactatg

410

<210> 1890<211> 402<212> DNA<213> Homo sapien

ggcacgagat atctctacaa ccttgtctcc acaagttatt aatgaagtgt ggcaagaaga  
60aacaattggg cgtctactac aacttgtaga ccttcactt cttgactcct tactgaaaca  
120gcaagaggct gtacctaaaa ttctcaacc taagaggcag tccaccatgg tcaacagcag  
180taactatctg gatcgaggga ttctcaaggc ttatagtac tctcaggaag atgagtggct  
240ctcggcagca attgactgtt tagaatacct tccagaccaa atgggtggg aaataagcag  
300aagctttcct gagcaaccag accgaacaga cttagtgaag gaacttctgt ttgatgccat  
360tggcagatat tacagtagta gggaacctct gttaaatac tt

402

<210> 1891<211> 412<212> DNA<213> Homo sapien

ggcacgagcc gtgttaggct tcgctggcgt aaagtcccc ggagctttgc ccctcacgga  
60gaacgttagt tgacctgat ggggacctgt agggtaaagg tttgtttttt gtttttttt  
120acggaaaagg ttgtggtag gcccttgga aagttgcgac aaaactcgag tttagacaag  
180aaggtcgga ctaagtggc acagcaaaa tgcaccagca agcagggagc gtgataggaa  
240gagctaaaga ggaatcgga aacctggag atgggtttca ccatgtttcc cagcctgtc  
300tcaaactcct gacctcaagt gatccgcgt cttgggtctt cgaaagtgtt gggacagcag  
360gagtgaacca ccgcatctgg cccggaaagt gttttggagc gtagaaaaat gg

412

<210> 1892<211> 399<212> DNA<213> Homo sapien

cgttgctgtc ggatccatgt ggaacagagc cagctggggg gttgggcagc tctctccaag  
60gcagtaccta gagcccagct gaacaacaag gctttgggtg tgaaggagct cccagcctg  
120gagaccctat ttggctgaaa cagttacaaa atatcaaatg tgttgcaga tattcttcca  
180attgttcaca tagctgggat atttgttgc cccctcacc cttggattat gtagggagcc  
240agtgcacaca gctgtttgt tttagtatcc aagggaagaga ccaaggagcc agctggcggg  
300aaggggtgg gtgtgcaanc tgccctgtcc ttctgtcat aacctgacaa aatgccaac  
360tagcaagcag gatagctgat accacggcta tgagggagt

399

<210> 1893<211> 394<212> DNA<213> Homo sapien

ggcacgagag agagcttacg aggtttgatg tactttgact acttgactca ttctttaata  
60atctttcacct tgcttgcgc caaaactgat taaagggaaa agacttatac acatagaagc  
120acataaaaata aatgtacgca ttaaggagcc gcacgatgat aagggaagga aaatattaat  
180attatgaagc cgggttccag tcgcattgct tgatgtgagc catatattta gctctcagcc  
240tcctggttg cacagcaaaa aggcaaacgt gaatcacata gtgtagacga agaataaaac  
300acttcttgct catgggggtcc atccagagc tcacaatgtt tacagatgtg tctgactcat  
360aatgtgagt ctggctccta agatccacaa aggn

394

<210> 1894<211> 162<212> DNA<213> Homo sapien

atgttaaag gccagttaac cactgggaga gcatccggac agacgtttcg ccaagatggg  
60tggaatggcc agttaaccac tgggagagca tccggacaga cgtttcgcca agatgggttg  
120gatggccagt taaccactgg gagagcatcc ggacagacgt tt

162

<210> 1895<211> 396<212> DNA<213> Homo sapien

ggcacgagcc aatgagctac tcctgacact aatggagaag tgtgccctca tggaagccct  
60ggttctcatt agcaaccaat ttaagaacta cgagcgtcag aaggtgttcc tagaggagct

120gatggcacca gtggccagca tctggctttc tcaagacatg cacagagtgc tgtcagatgt  
180tgatgctttc attgcgtatg tgggtacaga tcagaagagc tgtgacccag gcctggagga  
240tccgtgtggc ttaaaccgtg cacgaatgag cttttgtgta tacagcattc tgggtgtggt  
300gaaacgaact tgctggccca ctgacctaga agaggccaaa gctgggggat ttgtggtggg  
360ttatacatcc agtggaatc caatcttccg taacc

396

&lt;210&gt; 1896&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa tgactctgtt attaaaggtg gcatggagac tgtggaggga atatttttta  
60aagcactact catatccttt aaactaaatt ttgccaaagc ccgagacaac attaaggaga  
120aattgtacct taagttagta attccaaatc tatctgagtt gtatacccat caaagacaat  
180acagctatta tcatagatga aggtatgcta taggcagatg tcattatctc tatattgaat  
240aggtgaaaga taactgtagt caggtgaaag gcattcatta tttttaagct gaaaagggga  
300tccttgaaaa cactgaaaac ctctacaaca atcttcagga agcctgctat cttgggattc  
360actaataata ggccaagaac aaaggcgagc atccattcct cactccacg

409

&lt;210&gt; 1897&lt;211&gt; 433&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcaaaccctgg agaaccctcc taaatccata gagttttcaa aatgtgaatc  
60tttggaagcc ttgagttcag aatctgctgc tctggaatat ttcccttcga tcttatctca  
120gtcacttcgt ttttgagaag agtgatgcct tgggcatgct tttttttttt tcttttttaa  
180aaaacaggga gttgaagccc accctattta aaaaccccc cttttggaga attacaaggg  
240ttttgtcctg aattggaggg tgggcaagcc caagccactc gggctaactg gttttgtct  
300cggnggctat tccaagaaca aaaggaggaa gttggccat taccgggggt gtccctggat  
360gttgtttggg ggcgcgtgcc tttcaaaaac cccgccaaa aacaaccgg gaagggggag  
420ggccccgctt ccn

433

&lt;210&gt; 1898&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aggcctaccg acttacttta tcattgaggg cttactgata caatgaaatg  
60agtttcatga cttttttttt ttttaacccc tttttgaaaa aaaggggggt gggtaaaaa  
120ccaaaaatat ccttgttgct tttgaaaaga aggcattgaa acaaactttt ttgtagccag  
180ggttaaaaaa acggaccggg ttgggccctt cttggttaagg ggggacttca gggccccggg  
240aaggccgggtt tgggggtaac ctgaggggga cacaggccct gggggggggt ggttttttta  
300actggttacc cgggcccata ggcagacttt ttaaaaaaag gtccttgaag ggggatgtgc  
360aaagacatgc gggcccgctt aaaagcgagg attaaaaan

399

&lt;210&gt; 1899&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgctccac tgtctttttt tgtttttttg ttacaaccct taaaaaacgg gcttgccatt  
60ctcaccctaa gcttcatggt acacaagccg cagcagccag actgtagctt gccaacctt  
120ctagaccat tgctcttcat gttcaaaact ccagtcagga gcacaaggac caggaagtgg  
180cctgacttgg ccaggaccac tcagccctt acagttagga ggagcgcca gatctcagcc  
240ccatccactt gggaagtcag gagaggcagt gaacacatca cctgaaagtc agaggtcttg  
300cgaatcacc accaaagcat gtatttgtac aggtaatagt gctgagagtt caacagagga  
360cagggagaag gtgacctgtg aagactgtgc agggaggagg gacagccact caggag

417

&lt;210&gt; 1900&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcctcagaa gctctgggtg tgccagagga cccccagaac taacaaggga gggcgagtgg  
60gtctccattc cccgagaagc caggggcagg gtgggatggg gaagaccagg agcagagtgc  
120agcctcacag aagccagcgc gggctctgct tcagcaccac agccggggct ctggaccag  
180ggtaacagcc ccagttcatc ccaaccctc tcagagcctc aagaggggta gtcgggtgc  
240cggaagagag gggagcccta tccctggcaa cccctccacg tagcgtacct cagcacctgc  
300caccggcttt gccatttctt tgagcttgaa gttaactctc ttagagtcta actgtggttc  
360atttctgcac aggtacaata gatgacttta tttgtttaga a

401

&lt;210&gt; 1901&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttcagttca ctttattttac tatgacacat actttcagag tcttagatgt gctgtcatcg  
60agtcccaggc cacatcgtca cactcatcag cctctgcgg ccagtgtccc cacctcctgc  
120catgtttccc tagtagcttg gtctttatcc agaactgtga ggctgctgtg ggggtgcagcg

180tccttaggag ggtcctgctg gagcagtggc cctaagtgag tctggactgt gtgaggcacc  
240ccagccctcc acggcaaggc cggggcctgg ggggtgctggt gcctgtgtgc agcctgaagg  
300ctgccctctt gctgccttca gcgagtggga agctggtcag aggggtgggc actcctctgg  
360gctccgccac ctccctggcacc accccatttg gtctctgtcc actcctg

407

&lt;210&gt; 1902&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca tttatatata tactatatat ttcatatatg tatttcagga atttatagac  
60cagacattca tatatagatg cggaggtata tatgagcgcg tgtgtatata cacatatata  
120tttatacgta tatacgtata tacatatata cacatatata cgtatatatg taaacgtata  
180tatacacgta aataaatata tttatatata cgtatatatg tatacacata tacacatata  
240tacgtatata tgtatatata cgtgtatatg tatgtatata tgtatgata tatacgtaca  
300cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca cacacacaca  
360cacacacaca gagagagata cagagagata tacagagagt ttagaaa

407

&lt;210&gt; 1903&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggttttggc aatcactaaa gatgcttgtt ttgcctcagc agtagaatgt  
60ctgcagcaga tcagcacaaac atttacccca tcagacaaaac ttaagggtcat ccagcagact  
120tttgaggaga tctctcagag tgtcctggcg tcaactccacg aagacttctt gtgggtccatg  
180gatgacttga ttctgtttt cttatatgtg gtgctacggg ccaggattag gaatttaggc  
240tctgagggtac acctcattga ggatctaata gacccctatc ttcagcatgg ggaacagggg  
300ataatgttca ccaccttgaa ggcatgttac taccagattc agcgtgagaa gcttaactag  
360gctgcataac agcttgaaaa ctggattat

389

&lt;210&gt; 1904&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc catctctact aaaaatttat ttttagccgg gcatggcggg gcatgactgc  
60aagcccagtt acacgggagg ctgatgcagg agaattgtc gaaccacga tgcggacggt  
120gcagagagtc tagatcgcca tatatatata ttctgtatata tgtatatata cacacatata  
180tattcgtata tgcatatata cacacatata ttcatatata ggcatatata catatattca  
240tatgttctca taatatacga atacacctat atgctcctat atgtatatat aacatacata  
300tattgatata tgtataaata atattcataa atgtatatat gcatatatat tcatatatgc  
360acacatacat attcgtatat gcgtatgcac

390

&lt;210&gt; 1905&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag aatgccgact acttctccaa ctatgtcaca gaggacttta ccacctacat  
60taacaggaag cggaaaaaca attgccatgg caaccacatt gagatgcagg ccattggcaga  
120gatgtacaac cgtcctgtgg aggtgtacca gtacagcaca gaaccatca acacattcca  
180tgggatacat caaacgagg acgaacccat tcgtgttagc taccatcgga atatccacta  
240taattcagtg gtgaatccta actagcccac cctgcactc tctctcattg ccgctgccac  
300tatcacctgt ctctctgcca gctgatgtgc cctgttgccc cccaccccat cccgcacaga  
360accatccctg cattccacag gggactcggg

390

&lt;210&gt; 1906&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgcacgagcg ggcactcacc cggattgata tgccgtgatc tggctatatg gtggggcgcg  
60ggcggtgccg ctgcgacgag ctggtgctgt tctcacatgt ttctttcaa tgggcttttg  
120gtgtatgatg taggcgaacc aagaacagga ggaggtgatt acagtgcgtg ttcactaccc  
180ccgagtgcac aatgagggct cctggaactc ttatgtggat tataagatat tctccatac  
240caacagcaaa gcctttactg ccaagacttc ctgtgtgcgg cgccgctacc gttagttcgt  
300gcggctgata aagcaactac agagaaatgc tggattgggt cctgttctctg aacttgctgc  
360gaagacaatc ttcttcggca cctcagatga tgtcat

396

&lt;210&gt; 1907&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cttccatagc ttggccacct atttgtctca gaatacctca tctgtgttct tggataccat  
60ctcacatgtc cactcttgc tgttcttgg caccaatgaa gttatgcctc tgcaggacag  
120catcagcttg ctgctggagg ccgtgcggac canaaatgag gagctcgccc agacatggaa  
180gaggtctgag cagtgggcca ccatcgagca gctgtgcagc acagttggcg ggcagctccc  
240aggtctccat gagtacgggg ccgtcggggg ctccacacac acggccactg cagccatgtg

300ggcctgtcag cactgcacgt tcatgaacca gccaggcaca ggccactgcg agatgtgcag  
360cctccccagg acctagggcg cctgccctct gctggctagg accgggc  
407

<210> 1908<211> 399<212> DNA<213> Homo sapien

caagccagtc aacccgcaga agtgaatatg tactaccaga acacttacca gacaatgcct  
60tacgggtcat cctatggcat tctttatagt tatacggcct atggatcatc agatgccaaa  
120tctcaaaaaa cagataatac agtccctttc aaaactccca gtaatgagat gactcccgtt  
180actattgatt tggtaaagaa acagcttaaa gacagggttg actccatgaa agaattgcac  
240aaaacaaatc gacagcagca tgagaaacat ctgcaaagcc gagtggactc taccagggct  
300attgaaagat tagaagggtc ttctgggggt attggtgaac ggtataaatt tttgcaagaa  
360atgcgaggggt atgtccaaga cttgcttgag tgtttcagn  
399

<210> 1909<211> 407<212> DNA<213> Homo sapien

gaagattcac agtggacaat gttaaggag atttttagagg gcattcagta aggggtgcac  
60ctgtctaagc ttttctaagg atagcagtca aatccttaat gcttcttttg accagacaat  
120tagaattcat ggtttaaaat ctggtaaaac cctgaaggaa tttcgtggcc attcctcctt  
180tgataacgaa acaacattta cacaagatgg acattacatt attagtgcac cctctgatgg  
240cactgtaaag atctggaata tgaagaccac agaattgtca aataccttta aatccctggg  
300cagcaccgca gggacagata ttaccgtcaa cagagtgtat ctacttccta aaaaccctga  
360gcacttttg gtgtgcaaca gatcaaacac ggtggtcac atgaaca  
407

<210> 1910<211> 408<212> DNA<213> Homo sapien

ggcacgagac aggcaccaag atgtccaacc gagtggctctg ccgagaagcc agtcacgccg  
60ggagctggta cacagcctca ggaccgcagc tgaatgcaca gctagaaggt tggctttcac  
120aagtacagtc tacaaaaaga cctgctagag ccattattgc ccccatgca ggatatacgt  
180actgtgggtc ttgtgctgcc catgcttata aacaagtga tccgtctatt acccgagaa  
240ttttcatcct tgggccttct catcatgtgc cctctctctg atgtgcactt tccagtgtgg  
300atatatatag gacacctctg tatgacctc gtattgacca aaagatttac ggagaactgt  
360ggaagacagg aatgtttgaa cgcattgtctc tgcagacaga tgaagatg  
408

<210> 1911<211> 392<212> DNA<213> Homo sapien

cggccgcgaa taaggattac aaggcacgt tgacctgtcc gtgctgtaac atgcgtaaaa  
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120atgacacccg ccagcgcaaa tgtcccaagt gtaatgctgc ttttgggtgcc aatgattttc  
180atcgcatcta cattgggtga tctaagtcaa gagaagaaga ggagctggct agtcaggaac  
240ttattcatta accacaaac ctctacctt tctctccttg actgtcacct gtaggacagt  
300ttatcagtca actacctttc ctccagactt tacttccagg ctctcctctt cagtagctgg  
360atgacttttag cagaaaggac tggtaaatac aa  
392

<210> 1912<211> 401<212> DNA<213> Homo sapien

ggcagcaggt ctacagcctg acccagctgc ccgctatcgc aatgtgttgg aggccctctg  
60gaggattata agaacggagg gcctatggag gcccatgagg gggctgaacg tcacagcaac  
120agggcgaggg cctgcccacg ccctttattt tgctgtctac gaaaagttaa aaaagacatt  
180gagtgtatga atccaccctg ggggcaatag ccatattgcc aatgggtgcgg ccgggtgtgt  
240ggcaacatta cttcatgatg cagccatgaa cctgcgga gtggtcaagc agaggatgca  
300gatgtacaac tcaccatacc accgggtgac agactgtgta cgggcagtggt ggcaaaatga  
360agggggccggg gcctttttacc gcagctacac caccagctg n  
401

<210> 1913<211> 383<212> DNA<213> Homo sapien

cgttgctgtc gggccatttg ttttgttttg gtgtccctt tgaagccctg ccttctggcc  
60ttactcctgt acagatattt ttgacctata ggtgccttta tgagaattga gggctctgaca  
120tctctgcccc aggagttagt aaagtaattg ctagtgtttt cagggatttt aacatcagac  
180tggaatgaat gaatgaaact ttttgcctt ttttttctg gtttttttt ctaatggagc  
240aaggactaag gaaaaccttt ggtgaagaca atcatttctc tctgttgatg gggatacttt  
300tcacaccgtt tatttaaatg ctttctcaat aggtccagag ccagtgttct tgttcaacct  
360gaaagtaatg gctctgggtt ggg



383

&lt;210&gt; 1914&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcctggnttt tttttgcctc ctccctttcc cagcaccatt tattttgggt  
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120aagggtttttg tttccatcag cttctgtgtg gtaaatagta gctctgtttg aaaaactttg  
180agaagttgtt gtgatgtgcc tctttctggg ttccgatccc ttctcagcct ggtgatgcca  
240tggcattcaa atcaatttgt ttctcttccc ctccctacc ctacatccat catacaaaat  
300gggggtgtt gcactaatca gagatctgt tttttcccc cacagatatt ggtaaattat  
360taaaaaacca taaattttct tcta

384

&lt;210&gt; 1915&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gaccctgtc gccagatgg ctctggaca ttgcccagc gtctactga  
60gcaggaactg agggcccgta aagcagcag gccaggggga cgtgaacggg ctgcctggc  
120aactgcccag gacaaggccc gctccaacaa agggctcctg gncagnattt ntntttttt  
180ttntttttt ttttttttt ttttttttt tntttttatt aatattttt tttatcttct  
240atatctaccc ctattcccc ttttttttag gcaaaaaaag tgtaaacc cctcttttg  
300gttctggata aaaaagaaaa atgcccgcac atagggttct cctccctaag agaaaaaaa  
360gccccttttg ggggcaaaaa aggtg

385

&lt;210&gt; 1916&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga cctgcgcctg tgccttttat aggttctgc ccggcatatg atgcacatct  
60cgacaaacga gatgaagcac ggtgcgtgcc gataaaatgg aacagatgtg gactgataag  
120cggtgatcc tgtatgtgtg gggctccaac gactttctga ggcgaggtcc tatggactag  
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240tatatgctat ttgctgtccc tgcttagact ttgctccact gagtggttca tttgaggcca  
300accctccctt gtgcgaggag ctcatggatg ccatggcttc tactttgag agactgctg  
360agagctcacc ggagcccctg tct

383

&lt;210&gt; 1917&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gagccagctg atatcctcgg cgaacatgtc tctcctgagt ccagaggacc  
60aacaccctca acctggtagc ttctttctgg cttgtcagag ctctcagaag gtacctatag  
120gagcccaagc ccagctaca tctccactt attctgcctg attcccccaa agacaatggc  
180tggaccctgc atgcagggtc gggggtgga tggggttaac cagctcctga tggcctgagc  
240caggcatctt gactggcacc tggagagccc ttaagtctgt cctggctgtg gccatgccg  
300acagatatcg tggggtgac aggtccacgg caggcttctt ttcttttata aaatggaagc  
360tctggtacct tcaatgtatg actt

384

&lt;210&gt; 1918&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gagcttagca aatctgggta ttggttttgc ctgtttttaa accccctttg  
60gagtctagta aggttaacca ctctggttag ttcagcgttc taacaggtga ctttacattg  
120gaggaagatg ttcagaaggc gtggaagaca catcttcgag cagccccagc ttctgatgat  
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240ccttattgac atgcttctcc cggacacaca cacacacatc acatttgcag ccatctcaat  
300ttagtagagg aattacacat aaccaaaca ctccccaat gtgtgctgga gaacagctcg  
360gagggatggg acggcctgtc gtttn

385

&lt;210&gt; 1919&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg cgccactgca ctccagcctc  
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaa accccgcaa tttttaaaca  
120accccgaaaa aattttttcg gggccctttt ttttaaaaa caaggggggtt tttcttttg  
180gtatcccaaa aacccactgg gggcaaggtt tggggggggg aattttttag ggccatata  
240aaattcctta gggttttggg aaagggcaat cccggggcaa taaccctttt ttgtaaaggg  
300ctaaaccctt ttttttttta ggcccttttt tttttgaaa aggggttatt cttggcccc  
360cggttaaaaa ccctggga

378

&lt;210&gt; 1920&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggctcttaca ggaaagggca ccaggctgcg gggtcattga ggacaaagtt  
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120caggagaaaa tcctcaactc ttggcttctc cttggggaga caaaagagtt ggaatgtgtg  
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240agctgacagg ggctgggtgca ttccaggtgc ccaggagcca ctgagaacag aagacttggt  
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360ctacgtgtgg catgaaagg  
379  
<210> 1921<211> 381<212> DNA<213> Homo sapien  
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120ctggccttgt acttgaata ctgagttgtt taggactttc tattgtggca aacttccaga  
180aaacaaccct ttttctgca catgtaagtg gagctgtgct tacctttggg atgggctcat  
240tatatatgtt tgttcagacc atcctttcct accaaatgca gcccaaaatc catggcaaac  
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360tgacttgctc atcagttttg c  
381  
<210> 1922<211> 373<212> DNA<213> Homo sapien  
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120ggggatgaaa cactgaccgg acaattcaat ctgtatatgg agacgggggt tcaccgtatt  
180agccaagatg gtctcgatct cctgacttcg tgatccgccc gccttggcct cccaagtgcc  
240tgggattaca ggctgagcc acctcgcccg gcccatgttc tagattttt attctgggtt  
300agcaggatcc aaactgcctg tctgaagag actctcttct tcttccatac aacggctggc  
360ctctaccaag tta  
373  
<210> 1923<211> 370<212> DNA<213> Homo sapien  
ggcacgagta cagaagaaca atgcgagggc agctcaggcg cgctgatggg ggtttccgat  
60acaactcccc actcaaaaga ccccgagag ctcttgattc catctctcag tagggctctg  
120aagtccatgc gtcctgaaga cacaggggtc cccctgcgt ctgtgccagg acagagggac  
180tgccaccagc caagctgcaa tccttttaaa cgctaaaaac ggccgggctt ggtggctcat  
240gcctgtagtc ccagcagttt ggggtggatga ggcgggtgga tcccctgtgg tcgggagttc  
300aagatcagcc tgaccaacac gaataaacc cttctctact aaaaatacaa aattaggccg  
360ggcacagtgg  
370  
<210> 1924<211> 374<212> DNA<213> Homo sapien  
ggcacgagga gagagagaac tagtctcgag agcagatctc tctctccggc acgaggagag  
60agagagaact agtctcgaga gcagttttt tttttttt tttccagca ccgtgagggc  
120ttactggagc acattttgcc ccacaaaaag gaaatagccc ttctaattccc gcctgcaaa  
180acacaaaacg gcaaccctcc ccgggaaaac ttttgagaaa ccccgccggg gcaccaaa  
240cctaggggga agatctgggt caaagggtta aaattccgta agaaagggcc tataggagct  
300gtgagaactt tttttgcca cgaataacca tttttaacaa acagccctaa ccctagggg  
360agagctggac gggg  
374  
<210> 1925<211> 370<212> DNA<213> Homo sapien  
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60acaggtttta gttttgctt tataattagc cacaggtttt caaatgatca catttcagaa  
120taggttttta gcttgaatt aggcctcatc cctttgacc taaatgtctn acatgtact  
180tggttagcaca tccacctgta tctaatacc ccatctggtt ttgggggatg cgctggcacc  
240atttcccaa aatttacgtg taagtatcac aaagagggtc tctacaatct ttagatttcc  
300tttcgacaag attgcaggcg attcctctcg gagaccttc ccccggcatt ttggacccta  
360tgagaggggc  
370  
<210> 1926<211> 150<212> DNA<213> Homo sapien  
atgtttaaan catgggtccg gagcctttta ctctcccgaa ctctggagg ccctaaccgt  
60gcgctttgag gctcccgaat ctcggaatcg ctgggaccgg cctttattca ctttgggtgg

120cctataagag ccggttgcctt tggcgggtgat

150

<210> 1927<211> 354<212> DNA<213> Homo sapien

ttgcttatac tctcactgga accaatgcat ggaacagggt gtgcagacct ccagctgata  
60atgcattgaa gaacaggcat catatgctaa atgagtgaag ctagagatct attcgacacc  
120ataaggacct gcatgaaaca aaatagcatc accacttgca tacgtaacat gatcaaccca  
180caggcctata tgttggaagt gctgtccggg gctgttactg tctcttctgg ttataaagca  
240gacatgtggc catcttttcc gcagggttag agtgggctcc tttctttttg gaatcctttt  
300cttctccttt ggtagcagct cctgcctcc agggcttccg ccaccagcgt ctct

354

<210> 1928<211> 336<212> DNA<213> Homo sapien

tacgtgctt taagacgaca gaagggtga tctttcatct atttgagaaa acgcattcta  
60gcagggtgta ggtaattctca ttgtggtttt aatttgcatt tccctaattg ctagtgctgc  
120tgaacgttgt ttgcatgaac ctggtatgtc ttcttttgag aagcattttc acaagccatt  
180ggtgaagtat gtggatcacc accaccata ctccaaccct gttcccagtc actggtacct  
240atagggtgag agtgagggtt ctcatcaacg agctctccaa gtcataagct gctgctctcc  
300cactcacgat gcttgggtgat tcagggaagct tttccc

336

<210> 1929<211> 448<212> DNA<213> Homo sapien

tttttgcagg atcccacaca tatggagtct taaattagtt ttgggtgtca ttttgatgcc  
60tagagtcata gaagagtgat taggagcttg tggggtataa aaataacttg agaattggct  
120gaaagcaact aggaagatg ggggtagtag tatgtgtaaa catttgaggc agtagagatg  
180tgggacccaa atactgttcc ctttttactc aaattctgag atgagttgac atgttctgtg  
240tagggctaga gagttagaaa atggccagta ggtggttagc acagagaagc agtgcgtaga  
300aacaagtaag tatgcaaaat ttgtacatac ggtttcagga ataactagaa taccataaa  
360atattccact gccttataaa ctagaacatc attgataact tgggaagcct tgcatacctc  
420tccatgatct catttgtctt cacagctt

448

<210> 1930<211> 463<212> DNA<213> Homo sapien

tgctcgatct gcacgatccc aacgatgca aatcggcacg agcagaaaacc cggttcccag  
60cgtcggcgcc cggcttccg ctgcccgtga gctaaggacg ggccgctccc tctagccagc  
120tccgaatcct gatccacgag ggggccaggg gccctctgcc tcccctctga ggaccgaaga  
180tgagcttctt cttcagcagc cgctcttcta aaacattcaa accaaagaag aatatccctg  
240aaggatctca tcagtatgaa ctcttaaaac atgcagaagc aactctagga agtgggaatc  
300tgagacaagc tggtatgttg cctgagggag aggatctcaa tgaatggatt gctgtgaaca  
360ctgtggattt cttaaccag atcaacatgt tatatggaac tattacagaa ttctgcactg  
420aagcaagctg tccagtcatg tctgcaggct cgagatatga aac

463

<210> 1931<211> 460<212> DNA<213> Homo sapien

tacatttagc ccagcgactt gttgnaagc ccatccaatc gattcggcac gaggaaatca  
60attggagaac ggtttttatt taatacagtt gcacagggtg taaaaaaact tgctttattt  
120gacgaatgga attccttggc tgtttatgtt tcaatggata acacagtggc cattgaagat  
180atcaaaaaaa tgtgccgtgt cttcccttg agagctgaca catctgggta caggcctccc  
240gattctttta ctgctttcta ccacagtaaa ggcacctctg cctactgctc agcctggaaa  
300cccctgctgc tcattgtgcc ccttcgctg ggcataaacc aaatcaatcc tgtctatgtt  
360gatgcattca aagagtgtt taagatgcca cagtctttag gggcattagg aggaaaacca  
420aataacgcgt attattcat aggattctta ggtgacgagn

460

<210> 1932<211> 436<212> DNA<213> Homo sapien

cacacttgct tgctcgtttg gccgaatcgg cctaccggct gtcagaatac gacagaaggg  
60accacagtcc acctaagggg tgctacagc ccacttgagt ttttcaaact gagtaatcct  
120aaactgttca tcccaccctg ctttgccttt tccatgaaaa tgacagtaag ggctgtggcc  
180tggaactttac cctcattact gcttctgctt cctgaccaa accctatgca tctcttaagt  
240ctggcggtgt gtgttgggc atgccgtctt cttccaggaa atgcaagtaa tacacatttt  
300tcagtatat tggcctttct atgttgtcac ttactaataa ctccatanat taaatcttgg  
360gtgcatttta gaacatgctg tacctttgat tggtttgctt taggctagtg agttgagttc

420tgtgcttaca ctgaaa

436

<210> 1933<211> 440<212> DNA<213> Homo sapien

cgttgctgtc gggaatagag taattttttt tcccattcca cttggaagct gtgtacctca  
60agtgtgtgca catttacaaa tgggtgaaac ataacttatg ttagtccaag cttgatttga  
120cttcagttct gcttcaacgt tttagtagat agggcactga actggatgct gaaagcgtgg  
180gatctctttc tgttgcttca cttccaacag tgtgggttca ggtaatacga catgtttgtt  
240acttgggttg ctgatctatg tgttggaac aatgtccacc acaggaggat tgactacata  
300gcctgctttc atagcttgtg tgtatttatc cagtgcctta atagttgata ctgccagtga  
360tttactcctg tggagtaaag gtaagcatgg ttttaatttct tgagtattat atggtacgtt  
420ggagctaggt atttaagaat

440

<210> 1934<211> 444<212> DNA<213> Homo sapien

ctcgctcttt gtgcaggatc ccatcgactc tcaacatgag aaagctttta ttttctattc  
60ttttcaattt tttcacattc taaaattttg gctgggcgga tcttgatttt taaaacattt  
120gtcctttgtt ttctaaagag ggctcgttggt ttgcttagtt tttaaaaaaa ttgacgaatg  
180atgtttttta acgaacatgt tcatcttgc t aatttttgtt tgtttttttg agacggagtc  
240tcgctctgtc acccaggctg gagtgcagng gcaccatctt gtctcactgc aagctccgcc  
300tccccacttg aactgattct cctgcctcag ccacctgagt agctgagatt ataggtgcct  
360gcccccatgc ccagctaatt tttgtatttt tagtacagac agggattcac catgttgggc  
420acgtggtct tgaactcctg agcg

444

<210> 1935<211> 426<212> DNA<213> Homo sapien

tgtgaacact cccctatgta aatatgctga caataaattg tatggagaat ggtattttaa  
60aagtgttttg agacttttca cctgtcctat aaaattttga attgtgtatg tgatctacat  
120agaaagaata ttaaagagta ggttgaactc tttatagcca aatacagcct taaatagct  
180tgtatagcat cactggcag aagtaatagt tgtgcctcag acttgggggt tgcattgtggc  
240cctgggggag ttactacct tggatgcat gagggttcc tattagcacc agtgggaact  
300cagtactctg tatgtatcca caaaagggaa cttgagaccc acagttattc ttaatttctg  
360atattaacaa ccgtacatac tgctgaattt aactcanaat atttcaggta agtgaaagt  
420gtgctt

426

<210> 1936<211> 424<212> DNA<213> Homo sapien

ggcacgagga atcaagggaa taaaagctta ttctgatatt atagagcata taacagccat  
60gtagatatgc atggtataga gaaatcagtt ctatgatgga tgtaccacca aagttgccga  
120gcattatata gagatgcttt tgatatgagc cctaaaataa attgggatag agagggagtt  
180ggtgaatttg agataatttt tcaaagaaca taccatatgg cgacgcaaac gtagatatac  
240aatcagtgat aagctatatt ttgagtctta caattgtttt tacaattacc cctgttttga  
300gtatatatct tggcaaatca ttctaataaa tatttgctga taactgcgcg gaatacatac  
360atggtacgta gaaatttgga agaatcacta catattttca ggtatcattc tctgtgcaaa  
420tacc

424

<210> 1937<211> 431<212> DNA<213> Homo sapien

cgttgctgtc ggacaggagg cagggtgtgta tgggtgaaat tattttgaca ccttagagtt  
60aacccgggct tagagtacgt acattgggtc aagtaacaaa tatcaaagca gaactcttag  
120tgtggcaaac aataaataat tgtctcctag attcttatac aagtcactgt ccgtcccaaa  
180ttggtagctc ttagaatggc tcgagttgca ttcattgtca cagcaagaca caatggtttt  
240gatagcaaaag cagtagagaa actaaatgta gagaggcaga gagaactgta ttaagtctga  
300ggacctggtg gttgtcatgg gcagcaggaa gtgtgaagga gaggggtttc cctccgatga  
360aaggaaggct agggcttgat tcangggagc aagtgggatg ggccctgctg gtccctggct  
420gtgcctatat t

431

<210> 1938<211> 425<212> DNA<213> Homo sapien

cgggtgctgtc gaaaaaaac caggtttctt tgttgagctg tgtcttgaag gcaaaagaaa  
60aaaaatttct acaggagtct ttcttgcttc tagttgagct gcgtgcgtga atgcttattt  
120tcttttgttt atgataattt cacttaactt taaagacata tttgcacaaa acctttgttt

180aaagatctgc aatattatat atataaatat atataagata agagaaactg tatgtgcgag  
240ggcaggagta tttttgtatt agaagaggcc tattaaaaaa aaaagttgtt ttctgaacta  
300gaagaggaaa aaaatggcaa tttttgagt ccaagtcaga aagtgtgtat taccttgtaa  
360agaaaaaaat tacaagcag gggtttagag ttatttatat aaatgttgag attctgcact  
420atttn

425

&lt;210&gt; 1939&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggtttaaatt tagacctttt gagttaactc ttctaatagt ttgtgctcca  
60agagagccca gcacaccctt ccatgaatgg tgtcttttca aagataactg tttttgaatg  
120ttcattgaaa aaattgtaga gtagtcaactc atcatTTTTT cagttacact caaataacaa  
180ctatttagtag acgtgttatt tttataaaga atgaacagat gaggccagga acagtggctc  
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300ttgagaccag catgaccaac atggaaaaac tccgtctcta ctaaaaatac aaaattagtt  
360gggcggtgtg gtgcatgcct gtaattccag ctactcagga ggctgaggca ggagaatcgc  
420ttgaac

426

&lt;210&gt; 1940&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga tggatcaaaa gttatgatta cacactgtaa tctaaatgaa ttaaggaat  
60ggcagtaact ctagaacctg cacagattta ctcatattcc ttcaggaaag tgtttaaatc  
120gtcagagggt cctgcatcaa gcattcatct ccaattgtga ctccagtaca acgactcata  
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240tactgacaag taaatttata caggactgaa aaccgcctga aacctgctgc aactattggt  
300attaactctg tatagctcca aacctggaac ctctgatca gtttgaagga cattgataaa  
360ctgtgatttt acaataacat tatcatctgc agttactgtt tacaagactg cttttacctt  
420acacn

425

&lt;210&gt; 1941&lt;211&gt; 435&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gagagcttca aacaagaagg gaaatggaag aaagaacaat aactatagaa  
60atccctgaag ttctgaagaa gcagctggag gatgattgtt actacattaa caggaggaaa  
120cggaaaagtgc cacaagcact aacaggagcc aggaggaact ctctcccagt ccgccttgtt  
180tgaatccatc cagccacag tccacagaga gtcagccgac caccggtgaa ccagccaccc  
240ccaaaaggcg caaagctgag ccagaagcat tgcagtctct gaggcggtcc acgcgccaca  
300gtgccaactg tgacaggctt tctgagagca gcgcttcacc tcagcccaag cgccggcagc  
360aggacacatc cgccagcatg cccaagctct tccttgacct ggaaaagaaa acacctgtgc  
420ataacagatc atctt

435

&lt;210&gt; 1942&lt;211&gt; 444&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccggaacccc cctccccaag actatgaaag tgatgacgac tcttatgaag tgttggattt  
60aactgagtat gcaagaagac accagtgggt gaatcgagt tttggccaca gttcgggacc  
120tatggtagaa aaatactcag tagctaccca gattgtaatg ggtggcggtta ctggctgggtg  
180tgcaggattt ctgttccaga agtttgaaa acttgcagca actgcagtag gtgggtggctt  
240tcttcttctt cagattgcta gtcatagtgg ctatgtgcag attgactgga agagagttga  
300aaaagatggg aattaagcca aaagacagat taagaaacga gcgaaccaag ccgcaccttg  
360aatccacat ttaattggag aagccacaga atttattcag ccgaacattg tgatatccag  
420tggatttgtg ggagggtttt tgcn

444

&lt;210&gt; 1943&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ataacgtac ttgttctttt tgcaggtnnt tgcgattcaa ttcggcacca ggccatcttt  
60aagtccctacc cgacagtggg ggacgtggcg ctctacatgg ccttcttccc cgtgtggaac  
120catctctaca gattcctgag aaacatcttt gtctcacct gcacatcat cgtctgttcc  
180ctgctcttcc ctgtcctgtg gcacctctgg atttatgcag gaagtgccaa ctctaatttc  
240ttttatgcc tcaactgac cttcaacgtt gggcagatcc tgctcatctc tgattacttc  
300tatgccttcc tgcggcgga gtactacctc acacatggcc tctacttgac cgccaaggat  
360ggcacagagg ccatgtcgt gctcaagtag gcctggctgg cacagggtg catggacctc  
420atgggc

426

<210> 1944<211> 413<212> DNA<213> Homo sapien

ggcacgagcc cacacaacga gccattgac tccaaagggc agcacagcag atggactgct  
60attatcccgag tggtagacat ggggaaactg agggccggga aggcagactt gcttgccataa  
120gtgcacataa ggagaaagtg gctgtgctag gattggaacc caggctgtca gggtctgagc  
180ccttcccttt ctgtctgtgg gcctactgtg tgcctccaaa aagctgtggc caaattaagg  
240aggtggcatg tctgattcat ctgtggcggg gcctgggata tatagtaact ctcaacaatg  
300gtgttcatta gtccgggcat ggaggctcac gcctgtaatt ccagcacttt gggaggccga  
360ggcgagtggg tcacctgagg tcaggagttc gagaccagcc tggccaacat gga

413

<210> 1945<211> 405<212> DNA<213> Homo sapien

ggctgggtgag acacgatccc ctctaaagaa aatggttggg ctacagacagg taaccactgc  
60tgctactgtt tttatttgtt tgtttgttca attttattta agatttgttt ttgttgact  
120aggattttta aaaatgtaat atattgcagg atttataacc aggttactg actgcttgct  
180tgctttcttt tttttttttt ttttctctct taaaaaacca aaacaaagt cttttaaaaa  
240tactttttagg ccccttgga gctggatttt tgaaatgttt cagaagggga caaaaatcgg  
300tgggggaaat tttttagttt cccagggtta attaaaaagg tttttaattt gggttgggat  
360tttggggggg gatttttttc cctttatcca aaggcctttt ggccg

405

<210> 1946<211> 405<212> DNA<213> Homo sapien

ttaagaagga cctgatatgt aagcgctggg catttttctt ctggggttta ctgatcaggg  
60tgagattttt aacttcattt agtaattact ctaggagatt ttaccttgac ttatattttt  
120catgacgttt catgatttgc tgctggtttc aaatgaaact acaaactctg catgttttac  
180tgtgaacact ttgtttattt gttttgtacc cttttttgtc ttgtttttct gttttagctg  
240ccttctgaaa aaagagttgt tccctctgtt tctgtctca gatgatgtcc ctccccctac  
300ctgtaacctt tctttgacat aattgttcat atcaatgaag gtgctgacca gctcaatata  
360cagttaagca caagatctaa agctcttgaa atgcccgaaga aagaa

405

<210> 1947<211> 404<212> DNA<213> Homo sapien

ttttttcgat ggaatcttgc tctggctaatt tttcgtattt ttagtagaga caaggtttca  
60tcatgttggc cagggtgggc tcaaactctt gacctctggt gatccacctg cctcggcttc  
120ccaaagtgtt gaggcaggcg gatcacctga cgtcaggagt tcgagaccac cctggccagc  
180atgatggatc caagccggga ggctgaggca ggataattcc ttgaaccag gagtcagagg  
240ttgcagttag ctgggcaaca cagcaagact tcatctctta taaaaaaaaa agacccccac  
300cccccaaaa aatgggagcc cctgttctcc actttttgaa aagcttaaaa tgtgttttta  
360tcttgggcca gtcttttaga caccctggc caaaaatggt taac

404

<210> 1948<211> 417<212> DNA<213> Homo sapien

gtcggcacga ggctggccgg tctgggtggc tcatgcctgt aatcccaaca cttaaggagg  
60ctgaggtggg cagagcacct gaggttggga gttcgagacc agcctgacca acatggagaa  
120atgccatctc tactaaaaat acaaaaatta gccgggcatg gtggcacgtg cctgtaatcc  
180cagctactca tgaggctgag gcaggagaat cgcttgatcc tgggaggtgg aagttgcagt  
240gagctgagat cagccattg cactccagcc tgggcaacaa gcgaaactct gtctcanaaa  
300aaaaaaaaa aaggggccgc cgaatgagga aattaaagg gttttttcca aaggaccctt  
360gcaaaaaaaaa aaacttttag ggggaccctt aatccgggaa aacattggaa agccaaa

417

<210> 1949<211> 416<212> DNA<213> Homo sapien

ggcacgagaa gcactccgct tgctaataaa accagagttt ctggatagtc caaaacattg  
60gttcttagag tataattcct aaaccagcag catctgcac acctagaaac ttgtcagaaa  
120tgcaagttag cagactccac accagacct catgaatcag aaactctagg tgtggggccc  
180aaaaatgtag cttaacatgc ccttcagggt attctgatgc aaagtaact tacagaacct  
240ctgcactaga gaaaacactt ctttttgaga tagtcaagg tgtatactgt ttctaccaag  
300caciaatata ggagcatttg agattcttcc tgtgcaataa taagaaatca acaggaaatg  
360tttcagttag tgtgtgtgtg tgtgtgtgtg ttataaaaa tatcttgata tatatg

416

<210> 1950<211> 412<212> DNA<213> Homo sapien

tgaaacaccg tctctaccag aaaatacaaa ttattagtca ggcgcggtgg cgggtgcctg

60tagtcccagc tactcgggag gctgaggcag gagaatgacg tgaacccagg aggcggagct  
120tgcagtgagc cgagatcgcg cactgcact ccagcctggg cgacagagcg agactccgctc  
180tcaaaaaaaaa aaaaagggtt tcaaagttcc tttttgttaa agaaccacag taaaaggctg  
240agtctattct gcatactatg cccacagaaa aggaagaaaa ctttttaaaa gggagaatcg  
300catgttttca atgaaaacat tcacttggtg tttcatttgt aaaaaaaaaa agggggcttt  
360tataaagaac tttggggaaa cactttgctg aaatgttggg actctggaac ta  
412

<210> 1951<211> 422<212> DNA<213> Homo sapien

ggcacgaggt gactcacgcc tataattcca gcactttggg aggcgaggc aggtggatca  
60cgaggtcaag agatcgagac catcctggcc agacatggtg aaaccctgtc tctactaaaa  
120atgcaaaaaa ttagctgggc gtggtggcgg gcgctttag tagtccagctac tcaggaggct  
180gaggcaggag aatcacttga acccgggagg cggaggttgc agtgagccga gattgtgcca  
240ccgcactcca gcctggcaac agagcgagac tctgtctcaa aaaaaaaaaa gggaaatctg  
300gttttttttt aacccaaaaa tttcttaggt tggggcccaa cttctttgtt ggctgggccc  
360tttgcacttt gaaggggccc caccccaagg ggttttgttt gtttccaggg ctttttgaac  
420tn  
422

<210> 1952<211> 413<212> DNA<213> Homo sapien

cctatatcaa aacttatcaa atggtgtttt ttaaatatgt gcattttatc atatttcaga  
60tatacctcaa caaagctgtt agaaacaagg agttggaatt agaaaaatta cccaagtagt  
120attcaaatat ctaattatct gcttgaaagc actgaaggcc aactatggaa ctgagtggtc  
180ccaccagaga gaagtctggc taggtgctca ggtggcgtgt cctgaccatt cagtggctga  
240gccctgtgaa aacaggcatt ctgtaggtct tcggatgagg aacttgacga agcagccggg  
300tgctgcccac ctaagctggt tttccatag ggcttctctg tgagtgttaa gaaaagctgt  
360gggttgccctg tcagagttag cgccccact cagggttaacc acagtttctc cat  
413

<210> 1953<211> 409<212> DNA<213> Homo sapien

cggtgctgtc gaaaaaattt ctggattctt aaaccaggaa gtatgtctgc atgcaaacat  
60tgcttctgag ccatttcttg gtatccttat tgacaggtct atcctgcttt tcttcaact  
120gttaactgaa ctactatctt ctgtctactt ttaggtcttg actttgacct ttctgtgtg  
180tgaatttaat ttctccctct tagcagtaaa gcaatgcata gattactttt aatgaccac  
240cctttccctt catttgcat agccctatga tattctatat cttcttactt tcctagggtg  
300gtagaagtct tggcttgttt tgccagacag agcaaaagtg gcctgggac cactaaatc  
360tcgtaaaata ttctcttaca cagaacgcaa aattgcttag tactctctn  
409

<210> 1954<211> 412<212> DNA<213> Homo sapien

cggtgctgtc gggcttgggc tgcaccactc acagagctcc ctccccagg cacttagttg  
60gggcccagca ctgaccttc ccctgagccc aggatgtggc cagagcccc tctgggacc  
120ctctcgcccc ttctctgcct cctcagcttg agctgcctgc ccgaagtctg gctgttccg  
180ggccagtgtg tcacctgcca atttccacat caccctctc cctcgctccc tctctcctt  
240ccccaggac ctcccccat ttctggcagc caagccatta atctggagac agaaatgggt  
300ttgctatcga ttctctggcc actttttctt tcattacaat ttgtaccggg attcttctca  
360cccttctctg cgtccgtgca tttaaagagt tgtctcttta aatgttgag ct  
412

<210> 1955<211> 408<212> DNA<213> Homo sapien

ggcacgagga gtcctcctt tcttctcact cttccccctt cctccctcca tgcccactcc  
60ccctgcctcc agcaggccag gaagaaggca cagtccaggc aagtctggga gcttccaagc  
120ccttgaggct cagctgtggg gcccaaatga cagccttaca aggttctac cagagaggaa  
180aatccacat cccaccagaa gacaggggtg ttggcaggca tactcctatc tctcctctt  
240ggctctcaat gctgaggtt gcagaggcat cccagcggca ccagcctccc actgcacagc  
300ttccttccct ccttccctct cctctccctt cctgcccct tgccctacct cctcttctag  
360actgcattag attcattcat ctattttcc aggacatgtt ggccagag  
408

<210> 1956<211> 408<212> DNA<213> Homo sapien

cggtgctgtc gctttttttt cctattatat ttttggttct attaggattt acttaactga  
60atcttataac aattcgaggt gaactgtggc aatgaaaacc agaaacagtt aatgagatgc

120ttcagctcac agtttgaagt gctgagaacc taagtatttt gctgtacggt actgagctgt  
180acccaaatat gatggttttag gtttatgtgc aagactttgt gttgtagtct agacaaaggg  
240gtgggcaaga gacatgcaa gctgaagccc tgcttgaaaa gacccttcaa ggaagtaaaa  
300tggcaggggc agagtgcagc ttaacatgtt gctatccctg ttgtttttga gttgggtttg  
360gaatggattc aagttcttac acaatttatt ttgaatacaa gcataatc

408

&lt;210&gt; 1957&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga agctgctgtt cggaagtttg ccatggactg gaaagaagtt cttgtcggcg  
60cctagcgacg cccaacacct gtccaaacaa aaaaaaaagt gaacaagaat taaaagatga  
120aaaaagggat ttattttacaa aatattactc caaatggaaa ggaggtaaaa aaacacaaaa  
180tgaattttat aaaaccattc cccggtttta ttataggctg cctgctgaaa atgaagtctt  
240actacagaaa ttaagagagg aatcacgagc tgctttttta caaaaaaaa gcagagaact  
300gttagataat gaaaaattac agaacttatg gtttttgctg gacaaacacc aaacaccacc  
360tatgattgga gaggaagcga tgatcaatta cgaaaacttt ttgaagggtg gggaaaaggc  
420tg

422

&lt;210&gt; 1958&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt caatgtttta tacattattg acagaactta cgatgatttt aggtggctca  
60gggatgtagt aaagtacttg tgttctgctg gttaggctaa gctgaagtga caaatggccc  
120tcaaatgtct gggttcaaca aaagttcatt tgcttttggt gaatgtctgg cacatgtctg  
180tcagccagca ggcacctggg accctgctcc gggttagctt caccctggga ctctgggctgc  
240catgtctgac acgtgggtgg cactggcag agggacacac gatcggggca agttctgctg  
300gcccttaaaag cttctaccca gaagtgacca ttaaccactt ctgcctacat tcaactgggca  
360aatcaggtcc catggcaacg tgagagggca tgtactctcc cttgaggg

408

&lt;210&gt; 1959&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggtcaaaatc acttatctgt agagcataaa cgatgacctt gatcatgaga  
60gaaatggaaa tgagaaaaag ttgaaaaaat gggatgtttg acctaaagaa gaggagcttc  
120ttttaagaag taacagccac ttttaaggat ttggagttct gtcatgcaga aggatcagat  
180ttgacttgac cagaaggaac tagggtcagt ggggtgaagt taaaagaag cagatttcaa  
240ttctctttca agataaattt cctcaaaatt gtgaaaatag aatgagttgt tttgggtggt  
300aggctgttcc tgttcactga caagttgggg attctagagt agaggaatcg tactgaagga  
360gaatttgagc taggtgtctt caagttacct ataaactttg aggt

404

&lt;210&gt; 1960&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaacattta tattgttatt ctttgggct attggtgtgt ctcacaggca  
60aaagtgtgatt tggctaaaat aggtcagat gtatttgcgt gcccgctgt gtgtgtgtgt  
120gtgtgtgtgt gtgtgtgtgt atgaaagaga gagagacttt gacgggtgta gatatttttt  
180gcgctttgcc tactatatga gtgataatca tgtgtttact aacaagtcga tgacctggct  
240gtattcataa taccatttaa tattggcgtg agtggtctcg cttgacaaaa agaggcctcc  
300cctgcttctt tcaacaactg tcacagagtg ggtgggctga aagctctgcc cacggccctg  
360ctattggcga gagaggtctt ttgtgggagc ggtgtctcgt gcgtc

405

&lt;210&gt; 1961&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggttaaaata gccccctgat gagccaggca ctctgaggga acacagatta  
60tctgagctctg aacacgccag acttctccac aggttttatt tggagtggaa agtatgcaga  
120acacaaaatta naaaattcaa tcttttgaga gattaaaata gggaaggcta ccaactgaatt  
180tctggaattg cttttcaggt ccaaacgtta tcttaacctt aggcaagctc tctggccagc  
240cacacccatc cctggtaaat gttgtaggac agagaccccc cccagagccc tgttggccct  
300tctgtcatg tttctcacct tccatgcccc agtaaaactgt tgaaaccaga gaatgggtca  
360gggaagcccc atcccactcc cctgaaaata tctgggagac tcttggtgta gggacc

416

&lt;210&gt; 1962&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca ncnncnnaag taagaggagc aaacaaaatg tatcaatttc agccgaggtt  
60ttctagggca aacactagaa tattgtacct ttgtacct gataccttat caatcaatat  
120atattactga gcacttcgat gcaaggattc catcacctcc ccaacatgtg atatagaata



180gaagcaggta aatgtttact aaatgaaggt acacagcggg cttttggaga ggaaatagac  
240tctggcctcc agccatggaa taatttatac tgtctcttgc taacatacct ggagccgttt  
300cctcattttg tgatccaaag agtaaacaatg taaaaccagc caatcttagg ttatatctt  
360gccatcctag agagtaagtg ctccaggaca tcagagtaag aagtctgga  
409

<210> 1963<211> 408<212> DNA<213> Homo sapien

cgttgctgtc ggcgtgtgtg tgtgtgtgcg cgcgcgtgcg tgtgtatgtg tgtgtggtg  
60gggagagaat gcacaaacac tcgaggtggt ttgtatattt gactggtgaa tttcatagtt  
120gttttttctgg ggttacttan aatttgagag tccgtgagaa gcattaggaa gaacattact  
180gagaaaaaag gaggggtggg aagcccctag acttctcccc gagggatatcc ccgctgcagt  
240cttcttttaga tgtttggatt cccagtcct cttgttttga ggcgtgatat aaattcagcc  
300tctcatatat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gaggagacgg  
360cagtgagcag acgagaatgc ctgctcttct ggagccacag aaaatata  
408

<210> 1964<211> 404<212> DNA<213> Homo sapien

tggcgacaag attgaagcta ggtctcaggg gtctccagtc ctccctcatc agggccaccc  
60cctgcagtat tgagcaccag ctggtccctc tagggagaga ttgacaacag cccggaccct  
120gcggcctgcc tattccatct gaatgtcgca tcgtctgttt ctactaggg gccgcctctg  
180tcatctcact agacatttga ggaacctcct gcctgggccc tctgcttctc acaggacagg  
240gacactgaac tgcgtcagcc tcagctcacc cctccttagc ccaaggcttt cctcatgctt  
300gccacctact agtcatactg gcctttttaga tccctgaagt gttgttcaaa tccccggatc  
360attgagtcct acccccagcc ctctgctgcg gatcactcct taan  
404

<210> 1965<211> 411<212> DNA<213> Homo sapien

ggcacgagcc ccgttggcgg atgatttttc taattctgca actgcctgga gcgcgggcat  
60gatgacagag gaacggtcat tgatgatgca tccctggaag acctgggagc caggtctggc  
120tccttggact gtatcttccg tgctccagtg ggagtagaga ctgagagggg gaagggggcg  
180gggtagagat gcaccccatg tcggtatggg aatcactcta cctctcattt ccttcaatct  
240ttcactccta aaatgtctag taaacctttt agtctgttct attctgcatt cattcccttg  
300actttcagcc cttgtaatc acattgtttg gctgggatca ctgcttcac aaaaggaaaa  
360gacttctctc tgtgaagaga tccttagtat actacttgaa gaaccgcgaa g  
411

<210> 1966<211> 416<212> DNA<213> Homo sapien

ggcacgagtg acaaaagactt cagtttagatc ttcatagaac tccagtttcc cagtgcgtac  
60agtgggtaga tgaagctaaa ctaaaacaaa tgaggcggga aggcattcgt tatgctagaa  
120ttcagctttg cgacaatgat atctacttca tccctagaaa tgtcattcat cagttcaaaa  
180cagtttcggc ggtgtgcagc ttagcctggc atataaggct taaacagtac caccctgttg  
240tggaagccac tcaaaacaca gaaagcaatt ctaacatgga ctgtggttta actggaaagc  
300gagaattaga agttgactcc caatgtgtga ggataaaaac tgaatctgaa gaagcatgca  
360cagagattca gctgttaaca actgcttcat catctttccc acctgcatca gaactn  
416

<210> 1967<211> 405<212> DNA<213> Homo sapien

cgcaagagac tattggcaat ggattcttct ctgtgtacag agccagcacc cacaagtgc  
60tgtactatga tgagaagaag agggccagtt tccacaactt taagtcgagg tccagcaggg  
120aagaaatgaa atttcatgag ttcgttgaga aactgcggga tatacagcct cgacgagggc  
180aagagaggtt gtatctgcag cagacgctca atgacactgc ggtcaggaag attgacatgg  
240acttcttagg ttttaactgg aactggatta ataagcaaca gggaaagcgt ggttgggggc  
300agcttacctc tatectgctg ctcatgaca tggcaggaaa tgtgacacct gctcactatg  
360atgagcagcg gaactttttt gctcagatac taggtgacag acgag  
405

<210> 1968<211> 412<212> DNA<213> Homo sapien

ggcacgagag gaagtattag ctaatcagaa ccacggtgcc aggtgactc accaagggt  
60aagattgctt tacttagtag cctcaagccc aaggaaactga ttgtgaaaac cacctgaata  
120aacaggaggg aggaagaggt aatactgttc atctatacat catataagcc tctgttaggc  
180gctgcgcaat ctatcaaccc cagccctgcc tcccatagg aaattccttt attttcaatt  
240gccacatata tagatattcc acggcttaat atacaagcaa atgtgtatat tttttcaagg

300aacagaaaaa aacagtccat cttggctggc cccataggac cccagcccc actccttctt  
360caacaaagtc cctgattttc tcaaaagttc gaacaaaaag ctggaagcgc tn  
412  
<210> 1969<211> 407<212> DNA<213> Homo sapien  
cgttgctgtc ggtatttcac taccattttc tgacttttag cttttatttt cacctcaatg  
60tgatttaagc agacaaaaat ttctaattct gctaattctg aaggggaaat agacaaatct  
120taaaagctgc ctgaaatcaa acttgattta actcagtaag aatgtgaatt atttgttcta  
180cttgggtggg ttaatttaat cgttctgaat atgaacaaaa gggtttggat tttctaaaga  
240tgcagtgttg tttctgttca tcagggttaa tatttctaac tatattgctt gtaggtgacc  
300ccattctgga tttgtttggg ttggtttggg tccagttaaa agagaggaca ggaactaaat  
360ggggctaacc acttcagggtg cagcttgtgc gagggtagat ggttcct  
407  
<210> 1970<211> 407<212> DNA<213> Homo sapien  
ctcggcacga ggcgaggcca tgtggacccc cacacctttg gggccggctg ggcaaaccct  
60gaacccccaa tttctgcgtg gcctttggct gcctccttc tccaaggcgt gactcttact  
120ccagagactc aggcgagcac gtgtccctta cttattttc tctcaatcaa actgaaaccc  
180attgtgatcc ccatagtc agtgcggtct ctgttattat tacgggtgtc tcccttcctc  
240cccgtgcccc ggacaggcca tgagccagag atacaagggg cccacgcaa gatgcagggc  
300tctctgtctc tggctcttta tcgtcgtcgg gacacccctt gtccaaactc aaggaatccc  
360gggaggtctg gctttgccgc tttggctggg actcaggtag ctgggcg  
407  
<210> 1971<211> 417<212> DNA<213> Homo sapien  
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417  
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120ttgaatgttg aagatgtttc ttattccctg aagaaagggg gcctgccaca cacagcctgg  
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240actggctcatg cttctgaagc tgctcaccct gccgagggag gtcccggcag tgtcccagg  
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417  
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240ctcctctacc tggtttcatt cctgtcccaa ctatgatgcc gcctccacca cgtcatatgt  
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409  
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120acggtcaggg caccagcatc agccctctga aggagctggc gtgtgctgac gagtgttgc  
180ccctgccagt gtccttaac tggattggag gaggtatgg aacaaagtac tggagcagga  
240ggagctcca ggagtggcg tgtgtcaatg acaaaacccg gacccataga atccagctgc  
300agagccaaga tggcagcaca cgcacctacg aaatcacagt agtactgcc tgcaagtga  
360agaggtacac ccggcagcac aacgagtcca gtcacaactt tgagagcatg tn

412

&lt;210&gt; 1975&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagagag agtgtgagtt tgagagagag agagagagag agagagagag  
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120ctctcacaca cgcgcggggt ttttgtgttc tgcgcctccc tctctttttt gtgggggggc  
180gtctctcttg cgtccctagt cactctcacc cctctctgtc tttttttgtg ggcagacgct  
240cccacacaca ctgtctctct ctctctctgt gtgcataat atttctctgt accgagcggg  
300tgtctctttt ttttctctc cctaaaactc tctctttccc gctctgtgtt tctctctctc  
360acacacacac acacagaggg ggggtgtatct ctctctctct ctctctct

408

&lt;210&gt; 1976&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ggctatggcg gaaacaaaag gagatgaggg cagggggcact tttaggaagg  
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120ttacatttag taggaaaagt gttgagggca tgggtttgga ttaaaggagg gagtgagcaa  
180ttgaggagga agtggaaatt gggcaaaaaca ttccttttgg aagtttggat ggtaaaagga  
240agtgtagggt agaacaaagg taagtctgag aggtaagaga gaaggaacac actttgggct  
300tggcctgaaa tgagagggaa tgaggaaaac tgggtagagg gcaaggatgc tccagcctgg  
360tggctctgct ctccaagagg aaggaataga gctttagaag tgtggatggc cagagttcac  
420ggg

423

&lt;210&gt; 1977&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tattagggat aagctgttaa ttttttacag gtgtggagga tatttcaaat  
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413

&lt;210&gt; 1978&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gactgaggca ggagaattgc ttgaacccag gaggtggagg ttgcagtgag  
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120aaaaaaaaa agaacttaag gttaacccag gccagggatg gaattgacct cttaacaagt  
180atgtgatctt ggacagacac cctctaggga acttcataat ctcatttggg aaagggggaat  
240aaatgtcccg acttgggact gccactggga ggaggacagg tcatgggtgtg tgaaggagca  
300gggccaccct tcgttcacgg cgcgctcagg gaatgtgaaa tgtgggtgtg aaaaaatgtc  
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404

&lt;210&gt; 1979&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc agcaccagct cttgggcctg ctgtctgtct ataccggcc tagctgtgga  
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120accagttat atgcagggct agtggtcagc ctctctggcc tctgcccct ggctttccga  
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240cgcaacttgg cactgctagt acggtgggaa cagcaggggt gcgagggccc tgcagcccta  
300tgggcgcact ttgggggaatc tgcctcagcc catctgtctg acctggctcc tctactgcta  
360catcctgagg aggaagtaac tgaagctgct gcctctctcc tggcc

405

&lt;210&gt; 1980&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggnacgaaaa aataccaggc ccagggccta gcaatgtatc ttcaggaaaa cggcattgac  
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120accagtgcc gccaccagtt ctgcagcggc tgctacaatg ccttttacgc caagaataaa  
180tgtccagagc ctaactgcag ggtgaaaaag tccctgcacg gccaccacc tgcagactgc  
240ctcttctacc tgcgggactg gactgctctc cggcttcaga agctgctaca ggacaataac  
300gtcatgttta atacagagcc tccagctggg gcccgggcag tccctggagg cggctgccga  
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407

<210> 1981<211> 419<212> DNA<213> Homo sapien

ggcacgagga ttcttggttt cagagcggtc aaaagatgat ctccagctaa gacttacgag  
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120agaaatgatt cagaaacttc aaaatgtatt ggagtctgag agagagaact gtgggcttgt  
180cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag agactgagag  
240tttaaggaag attgccttgg aggtcaaaa aaaagccaaa gttaaagatca gtacaatgga  
300acatgaattt tcaataaagg aacgtggatt tgaagttcaa ttgagagaga tggaagacag  
360taatagaaat tccattgttg aactgaggca tctcctagcg actcaacaga aggcagccc  
419

<210> 1982<211> 415<212> DNA<213> Homo sapien

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120cttgaatgc atttattctt cgcttctctgt caaaggaaat cgttggcgta gtaaagttaa  
180gactaacgct gctttactca accaccctct tcctggccag agaggccttc cgcagagcat  
240gtctcagtgg gggcaccag cgagactgga gccagaccct caacctgctg tggctaacag  
300tccccctggg tgtgttttgg tctttattcc tgggtggat ctggttgacg ctgcttgaag  
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415

<210> 1983<211> 407<212> DNA<213> Homo sapien

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120cccaccctaa accgcctacc cgggtgtctgt tccccgcccg gttgtcctcg cctgctgag  
180ctgagtgtcc cctgttagcc tcgaccccat ggcgctgcag acgctgcaga gctcgtgggt  
240gaccttccgc aagatcctgt ctacttccc cgaggagctg agtctggctt tcgtctacgg  
300ctccgggggtg taccgccagg cagggccgag ttcagaccag aagaatgcta tgctggactt  
360tgtgttcaca gtatgtgacc ctgtcgcatg gcattcaaag aacctga  
407

<210> 1984<211> 411<212> DNA<213> Homo sapien

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120gtcttctatg ttcaagatta tgccaacagt taagaagtaa aaggaagttt ttcggaactg  
180tgccaatatc cagattgcat aggcgagttg tcattacagg cattggctta atgactctc  
240ttggtgttgg aactcacctg gtttgggacg gtcttatcgg aggagagagt ggaattgttt  
300cactgggttg tgaagagtat aagagtatcc cttgcagtgt tgctgcttat gtgccaagag  
360gtagtgatga aggtcagttc aatgaacaaa actttgtgtc caaatcagat n  
411

<210> 1985<211> 414<212> DNA<213> Homo sapien

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120agggggggtca ataggttcag tgtttgagat gccaaaggaa cctgtctttt gatttgggggt  
180tcaacataca gaggttagcag tcaccattat gctcaaagcg gtyatcctga ttggaggccc  
240tcaaaaggga actcgcttca gacctttgtc ttttgaggcg cccaaaccat tgtttctgt  
300ggcaggggtc cctatgatcc aacaccatat tgaagcctgt gccaggtcc ctggaatgca  
360ggagattctg ctcatggct tctaccaacc tgatgagccc ctcaaccagt ttct  
414

<210> 1986<211> 413<212> DNA<213> Homo sapien

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60aggatcggaa cttctaatta ttattgggct tttccaagta aagctcttca tgcaaggaaa  
120cataagttgg aggttctgga atctcagttg tctgagggaa gtcaaaagca tgcaagccta  
180cagaaaagca ttgagaaagc taaaattggc cgatgtgaaa cgaagagcg aaccaggcta  
240gcaaaagagc tttcttact tcgagaccga agggaaacagc taaaggcaga agtagaaaaa  
300tcaaaagact gtgatccgca agttgtggaa gaaatacgcc aagcaaataa agtagccaaa  
360gaagctgcta acagatggac tgataacata ttcgcaataa aatcttgggc can  
413

<210> 1987<211> 409<212> DNA<213> Homo sapien

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60gcagcggcca aaaacccggc tccgagcggc ggcggcccgg cttccgctgc ccgtgagcta  
120aggacgggcc gctccctcta gccagctccg aatcctgatc caggcggggg ccagggggccc  
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300agaagcaact ctaggaagtg ggaatctgag acaagctgtt atgttgctg agggagagga  
360tctcaatgaa tggattgctg agaacactgt ggatttcttt aaccagata  
409

<210> 1988<211> 418<212> DNA<213> Homo sapien

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120gattacaggt ggcaatggac aagttttctc tctgctgcat caactgcaat ctatgtttac  
180atgtattcct tttactacta ttttttcaaa acaaagatgt atggcttatt tcaaactatca  
240tttttactttg gatatatggc ggtatttagc acagccttgg ggataatgtg tggagcgatt  
300ggttacatgg gaacaagtgc ctttgtccga aaaatctata ctaatgtgaa aattgactag  
360agacccaaga aaacctggaa ctttggatca atttcttttt cataggggtg gaacttgc  
418

<210> 1989<211> 420<212> DNA<213> Homo sapien

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120ggcagacctg tgaatgtctg tgtgggaaaa gagtggatc gatttcccag cagcttcctt  
180cttccctgaca attggcagct tcagttcatt ccatcagagt tcagaggtca gttacaaaaa  
240ccttttgcag aaggacctct ggccacccgg attgttctta ctgacatgaa tgaccagaat  
300ctagaagagc catccagata tattgatatc agtaaagcc attatttagt ggatttggac  
360accatgagag aaacaccccg ggagccaaaa tattcatcca atanagaaga atggatcagn  
420

<210> 1990<211> 412<212> DNA<213> Homo sapien

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60ccaagtgcac ccccaaaaaa ttccggattc ccccatggcc aacagcggac cctctgctg  
120caccattttgc cagcaacggt tggaggatac gcatttcgtt cagtgcctt ccgtccccag  
180ccacaaaattt tgcttccctt gctctagaga gagtatcaag gcccaggggg ccaccggcga  
240gggtgtattgc ccagcggag agaaatgcc cctagtcggg tcgaatgtac cttgggcctt  
300catgcagggc gaaatgcga ctatcttacc tggggatgtt aaagtgaata aggagagaga  
360cccttgaacc actgggcagc cacctccttt gccctagacc agctcctctc cc  
412

<210> 1991<211> 415<212> DNA<213> Homo sapien

nncncgaggg aagatggacg cagctactct gtcctacgac actctccggt ttgctgagtt  
60tgaagatttt cctgagacct cagagcccgt ttggatactg ggtagaaaat acagcatttt  
120cacagaaaaag gacgagatct tgtctgatgt ggcattctaga ctttggttta catacaggaa  
180aaactttcca gccattgggg ggacaggccc cacctcggac acaggctggg gctgcatgct  
240gcggtgtgga cagatgatct ttgccaagc cctgggtgtg cggcacctan gccgagattg  
300gaggtggaca caaaggaaga ggcagccaga cagctacttc agcgtcctca acgattcat  
360cgacaggaag gacagttact actccattca ccagatagcg caaatgggag ttggc  
415

<210> 1992<211> 383<212> DNA<213> Homo sapien

ggcagcagaa aaatttcaac caaagaacag attcttctcc agccaaccat gtcccggcac  
60tcagaagggg tttcatgctt ctactgataa gccaaactta catcagatcc aatacagatt  
120tttttaaagat aaaataccat ctctactgga cctgtttagt ggctcaggct gccctcacag  
180gacatccctg agaccaccct gtcactcttg atgttggaac caggggcccag gcctgctcct  
240cattgtctcc tgccctccta gtcccagga gaggaaaaga aatactgttt tagagaaata  
300acattttcaa caaaacatcc ctggagtcag attttgagtt ggggtgggct aatcagggag  
360tcggggctct ctgctgatg tcg  
383

<210> 1993<211> 401<212> DNA<213> Homo sapien

ggcagcagcc tcggcctcct aaagtgtgtg tattacaggc atctgccacc gcaactggcg  
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120aatgtgaata ataatggctg gtctctcttc atggttcggg agagggaaac agtctcaccc

180cctaaatgtc accttgaatt acagcatgtt atataagcac atcctggccc ttccttgaat  
240ggggatcttt ctttctcacc aaatattgat ccttttccct tcagagaaca ttgctctttt  
300tgtcttcccc ttaggaattt tactgattcc ttaaatttaa aagggcgtgt tgtaaccttt  
360atgtcccccg cccctcaca gagttggtgc gtctgtgatg g

401

&lt;210&gt; 1994&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac caagaacact tcagtctctc taaggatgcc ctgagctacc tcactgttaa  
60aggacgacat caacacagaa tgcactaaac aggaaataag ctgtaatcta gagaatttcc  
120attatgtgtt actttttggt gactaacatg gaatgttgaa aaggaagagc tggaaagctc  
180agttgttttc cttgttcctc tgacattgtc caggcaagag ggcacacctga tcagatgagt  
240agatttggct gagaaaaacc cttagagtaag gcaggcactt tgtggagggtg gatgatgatg  
300gtcataaaaa acgtttgttc tcagtccagt tcagggtctc gccagcagtc tttcagattt  
360gaactgctta nacaaacctt acaga

385

&lt;210&gt; 1995&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggagtgcag actgttattg tattgtgttc ttgtgcaaaa aaaccccagg  
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120tagttttgac acctgggtgag agatgtgaag tgttccttta ttacttata tttatttatt  
180tatttatttg aggcagggtc ttgctctgtc acctgggctg gagtgcagggtg gtgcgatcat  
240ggctcacttt accctccaac tcttgggctt agacagccct gctacctcac cctcctgagt  
300acttaggaca ggagacgaac cgcaccatgc ccaccccatc ttattatgat tgcttttatt  
360tccagaacat atccccctat gaggcgacag tcgccc

396

&lt;210&gt; 1996&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc ttacttttcc aaacatgact attcattggc atcatgtgag ttttttgttt  
60gttttaatac tgagttctcc cctcctccca gtaagtctag gtgtggtctg tgaatcatta  
120ttttaataaaa atgttatggt ttggctgtgt cctacccaa atctcctctt gaattgtagc  
180ttccataaatt cccacatgtc atgggaggga ccccgaggga ggtaattgag tcatgggggc  
240aggtctttcc catgctgttc gcatgatagt gaataagtct catgagacct gatagtttg  
300taaaggggag ttcctctaca caagctctct tgcctgccgc catgtaagat gtgactttgc  
360tctctattca cttttagctg nga

383

&lt;210&gt; 1997&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagtcattc tgccctagata ttggagctaa aatacattgc agaaatttgt  
60tttagactag tctcttatgt agattgtgtg ggtttatgta gaacattttg tgttcagaat  
120gcttttatta acctcttcca tggactctt gagaggctgt ccttatctct tactgatgat  
180tagactgaga caagtggaaa gtaaaggta gacaagatgt aaagtgtgtg gtttgagctg  
240tgatgagcac actagggagt tccagatacc agtttgatgc ttattcaacc atttaggtta  
300tcggctctgcg agtttgtttt ctgcagtgtg tgcataacta gtgttttgtc ctcttagagg  
360atactctggg gacattcttg agtttttn

388

&lt;210&gt; 1998&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagagctct ggcgggtaca gacactgcag gaggtggccc tccgggtggc  
60aggtgctcct gtgggacccg cctgctttgt tcccaccagt gcccatgtgg ctgtaagaaa  
120tcataacttg gccgggcgcg gtggctcatg cctgtaatct cagcactttg ggaggccgag  
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240ggctcacgcc tggaaatccca gcactttggg aggtcgaggt gggatgatca cgagggtggg  
300agatcaagac catcctggct aacacggtga aacctgtct ctactaaaag taaaaaaat  
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399

&lt;210&gt; 1999&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggtaaactg cagaggaata aagcccgaaa aactacctac cagtggttct  
60ctagctggtg gaattgtcag tgattttaac ttagctgtct gactctttt gtacatatcc  
120aaatttttaa aataatgaac tcccacaact ttaatacataa gacatgattt aacataaatt  
180tgacatcatg acatgccaga ttgaaactgt aatgggccag atggcacgtt ttacattgt  
240ctcctagctt ttgccctata atcccaatag caagagtggg gagagagtag aaataggatc

300ttggagaggg actttgacga aattgggagg agatgaaaaa gccttgagtg ctggcaaagg  
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398

<210> 2000<211> 400<212> DNA<213> Homo sapien

ggcacgagga gagaacccag ttctaggtac tgtctgggcc tgggaggcga gagcagtgcc  
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120gcctctggag atgataaggg ccaaaggagc agtcaggagg gggcggtagag ccagagttagt  
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240catttggaga gacgtccgtc ctgtcttgta gtctttttat tttgtgcac cttataattg  
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400

<210> 2001<211> 402<212> DNA<213> Homo sapien

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120gttttttttt gggccccggg ggggttaaaa acccggggaa aaaaaaatt cccccacca  
180accgaaaaat cccaaaaaat tgggaaacag gggggcccc ccccccccc cccccctt  
240taaaaaattt taagaggggg gggcccaa atttttcccc gcggaattta aaaaccggc  
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402

<210> 2002<211> 402<212> DNA<213> Homo sapien

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120gtaagacaat tgatactgtc catggatttt agaaagtgtg aagtggagtg atttgtatga  
180agcttgaaag attgcctggg gccaggctgt tgaaggcttg gtttgcttag ataagtcaaa  
240tgacgtagac aatggatagt catcacagat tttgtacat gggacttcac ataccttaat  
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360ttattctgat attatagagc atataacagc catgtaaata tg

402

<210> 2003<211> 401<212> DNA<213> Homo sapien

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120atggagagag tttaaaaatg taaaacttca gctatttttg ggctgaactt gcttacttga  
180aaaatctggt gctaggcaca tatactctgc tctccttgc gaataccact ccaatattat  
240tctttactat tcagatccaa gcttcattat ctacttgatc ttcattgtct ttaaaacatt  
300cgaaagatgt caactgagag aaacatttca gaggggggag gcttttgga ctggtgataa  
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401

<210> 2004<211> 400<212> DNA<213> Homo sapien

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120agttacccca gtttccaaaa acagtcgccc agataaagga ggaaaaggga aaggcagacg  
180aatggcatgg cttttactaa agaaaagatg ttggcctcat actctatact cagggtttaa  
240tgaactggaa tctgcataac tcagcagtc acccagaagg gaaatggta aactgagctt  
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400

<210> 2005<211> 382<212> DNA<213> Homo sapien

ggcacgaggt ggcttggtgc aaattacatg caattagccc tcagacagcc tgaatcgaga  
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120tcacgtaaat ttgctgctgt aactggatct tcccaagcca caagtctgag aaatgggtgg  
180actctgacc tgaccactag attttcagga tattctctct aagagaggta tcttgcctc  
240taagtgaccc ctaaaacaga acctaggaaa ctctcagcca gataaattag aaattgatc  
300taaataggct tgtgcccagg aaatcaacaa tgcagtaaaa atatcaggac aaaagcaaga  
360atacttccca aagtcagaac tg

382

&lt;210&gt; 2006&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tgggaagggt gtagtgccct aggttggtga cagaaggac agacactgt  
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120tttgggaaat tttgtttttg ggaaaagcta aaacccaggt taccctgagg gggcgaggg  
180ttttctttcc tgccctttta atctctttga aaataaaaaac ctggcacttg ttgatggtgt  
240ttccaaaccc ccttaatttc caaaaaaac cccaagtta aggtcttaat ggggagggga  
300gggcacgttt ttgacacatg gaaacttct taaggagggc ctccctttcc cttttcccta  
360aaagttttaa agtgccgttg gt

382

&lt;210&gt; 2007&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaacaagg aagacacatt taatatatct gatcaagtgg tcttgccaa  
60aaaatgtcct gatacathtt tttaaactaa taaatggagg attgcagact tactgaatat  
120ggcaggatcc tttagcatgt aatactttta aatggatcca cactgaactt ctgctggatg  
180tactggagta agagtggcca gatttatcct ccttcctcaa acaatgcaa aaccagacaa  
240gggtatataac ataagagttt ttgacacta gacaatactg ggcagtgatc cctgagagaa  
300aatgaatgag gcatccctac aatttccata gcattctgcc tagatagctt ccagtctgta  
360gtctgcagga aggagatcca aaacag

386

&lt;210&gt; 2008&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaagaccaa ggactaggag tgtgagaaaa attgatcctc aggaggaaga  
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120tccactaaaa tctgtctcaa ggataatatt ccatgactct acagggctta atgcgtgtga  
180catatataga ctctgataa gcagtttgaa ttatatgggt cagagaaatt tccaggtcat  
240aggacttctc tttaaagtaa aataaataag ccaggcacgg tggcttattc ccgtaatctc  
300agcacttttg gaggccaagg caggtggatc acttgaggtc aggagtgtga gaccagcatg  
360gccaacatgg tgaaaccccg tctctacaaa aatactt

397

&lt;210&gt; 2009&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tatcaatgta agatacatatc tcagattttg aagactagta ttacaaaaag  
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120atactgaatt aaaacattaa aattagttct acttgatct ttttactttt ttaatgtggc  
180tagaagaaaa taaaattata catgtggctc agattatatt tctattggac agcgtgctc  
240tagaacatta tattaagtgg ttattattga agtagacca agtttatacc ataaggatat  
300ttttctttaa ataccatgtt tgaagaacaa ttatttattg atccttgaat ctgtaagatc  
360aaataacaag tctctatcca tgttaccaaa tttaan

396

&lt;210&gt; 2010&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gattttttcc tggagagcct tatcatgtat tttatatgct tatgtgggtg  
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120tctcaccagg tgatctacta tgcaaattcc tacagttttc tttctttaag aaataagggc  
180cgggcacggc ggatcatgag gtcaggaaat tgagaccatc ctggctaaca cggtgaaacc  
240ctgtctctac taaaaataca aaaaaatta gccgagcatg gtggcgggca cctgtagtcc  
300cagccacctg ggaggctgag gcaggagaat ggtgtggacc caggaggcag agcttgacgt  
360gagccgagat cacgccactg cactccagcc tggg

394

&lt;210&gt; 2011&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccagttgc tgacggactc actttttacat ggtcagcttt cagagaataa tcacagagat  
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120cttttcgcat catagaatgg tgggacctca aggatgagtg aggagagaag gattcagtg  
180attttctgaa aaattattca ttacctatag ctgatacgac cagtgccagc catgaattac  
240ctagtcccca tgcattgaca gctgatttac attcttgcgc cagctcctta tctcatagta  
300gatcaggcgt ttgagtagca tagcattagc ttatctgttt ttttaagatc aatagaactc  
360aacaaggac gatagaactg tataccccag tcaatn

396

&lt;210&gt; 2012&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien



ggcacgagag tgagtctatg tattagggat aacagaagga aatcaagcac aaacttgctc  
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120catgtaaaat agtctttaca tggataatg gaaaacaatc gatggctcctt ttcttaaaaa  
180ccaatttttc cccattgtaa tacctttttt tttttttaa agaaaatctc gctctgttcc  
240cagggctgga gggcaaccat ttccatgtaa tatgtacttt ccccgaggac tgccagaact  
300cacttgccat ttttaaggga tagaaccca ttgactaaac acccttccaa acacccccgc  
360gatcaatact ttgtatcctt caatc  
385  
<210> 2013<211> 402<212> DNA<213> Homo sapien  
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240cccaggctgg agtgagctgg caggtgtcg cctcactgca acctccgctt tctgggctca  
300agtgtattct ctgccccagc ctcccaagta gctgggacta caggtctgtg ccaccatgcc  
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402  
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397  
<210> 2015<211> 396<212> DNA<213> Homo sapien  
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300tctggcctta tcccacaaat ataagaacat tccactgggt gtctgctttc cccctggaat  
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396  
<210> 2016<211> 392<212> DNA<213> Homo sapien  
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392  
<210> 2017<211> 389<212> DNA<213> Homo sapien  
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360gaggacatga atagtcgcca ggcttggcg  
389  
<210> 2018<211> 398<212> DNA<213> Homo sapien  
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120agttaggaca caaggggtgaa ctgctttggg gtttgtatcc attctgttag ccttttgtat  
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240tgaagctgac tttgagcagg agtgggaggg aataagctag attatctggg cctccagcat  
300ctctagacct agagggttttc tctatttctc cttttcactg tgaccaggga aataattttc  
360agaagtaaaaa aatctcatct gagactctgc aacaggcn

398

&lt;210&gt; 2019&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

gttgctgtcg attttaagaa gaaatttaaat tgtatttagc tctgtgtctc gcccttttgg  
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180ggctcacgcc tgaatccca gcactttggg aggccaaggc ggggtgaatca cctgagggtca  
240ggagtttgag accggcctga ccaacttgga gaaaccccg tctactaaa aatacaaaaa  
300ttagtcagggt gtggtggcgc atgctgttaa tcctgtctac tcaggaggct gaggcaggag  
360aattgcctga acccgaggag cagaggttgc agtgagctga

400

&lt;210&gt; 2020&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgctatcgg gaacaatcct tgagggtgag aacgtggatt gattcttgat tgatagtggg  
60gattccatta tctgtatttg gcagttatgg cctgctgcgg tgtatagaag cttctttcca  
120ttcattttcc cgaattttca tactgctcaa ggaacagttg ggggggaatg ggcagaagggt  
180tgggcacttg agtatttgag ctatcggtaa taactgactt tttaggagc acagatttga  
240gtagagccat ggtagtagtt agtaccatg ggtttttgct gcttctactc tttcttaaca  
300gaaaagtgg attgtgttca tataggaaag cagttcacag actgtcttcc tgccccctcc  
360gccaccaagc tggacctaga atcaagtgtg acttta

397

&lt;210&gt; 2021&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

cccagtctac attgaggtat agtgtattaa aggatctcag gagacttgca gcaaattact  
60actgcttctg tgcctaaatt cagatgtctg agctctaaaa aaaagcactc ctagttaaga  
120ctccaattgg gttgttaacc ctttggggcc caagggttat ccaacccag agggattttt  
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300ttttctaatc ccttttaata aagggggaaa taagaaggtc tttgccttcg gaaagtctgg  
360catgttgccc attactttaa ttttctgcca g

391

&lt;210&gt; 2022&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc ctggaggctt ttcaggtggc ccagcgtggt gtcctgtcag cttcctcttt  
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120tgtgtgtttt tgtttttgtt tctggagac aaggtcttgc tttgtcacc aggctggagt  
180gcagtgtcgt gatcaagggt cactgaagcc ttgacgtgt gggcactgcc tcagccgccc  
240aagtatctgg gaccacaggc gtgcaccacc atgcatagct aatttatttt ttgtagagac  
300agggtctccc tgtgttgacc aggttggct cgaactcctg ggctcaagca gtcctcctgc  
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391

&lt;210&gt; 2023&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct tagctgagct tgttgatatt cttatcctat gttctgtcca ctcatggctg  
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120gcctttgtac acagtaccaa acatagtgcc tagcatggaa tagatactca atagatattt  
180gttgaatgaa caatgaatga atatttgttg aatgaatgca ttatccact tgggagcaat  
240ccactcttcc tctatgcttt tatatcactt tgctctacc tcgttttatg gagctctcta  
300catttaacct ttattttagc taattatgct ttagatgcaa ccccttctcc agaaggctcag  
360cccttgata ataccgctg ggtcaattg

389

&lt;210&gt; 2024&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aagttttgcc ttggaagtac aagaccatgt cttccagata ccagcccccag  
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120ttttcaagaa ccatactgag gatgaatccc tagagggaaat tcagcccccga gtgggggagc  
180atggtttgaa tacgcccttc tctgtgagga gaagctggga ttcattgaat gaggatgtgg

240aaacagaagt tctaagcadc tgctttaatg agaaggggtcc tggtcatgcc atgcctgtgg  
300ttgactcagg aaacaggcag gaggataccc atggctccga tggagatggg gatggggaga  
360ttgtggacga ggatgcagcg gtggcgg

387

&lt;210&gt; 2025&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc ggccctcctcc gcgcctcgcg gcatggcgte ggagggggccg cgggagcccc  
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120tcaatgtggc atgggttagag tcctcagaag catgtgtctt cccagctct gcagccacat  
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240ccttttggagc ttcaactttt ccacctcagt atttatcttc tgagataact cttcatccat  
300atgcctatct tccttataacc cttgactcca cacagaatgt ttactcagt cctggctccc  
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386

&lt;210&gt; 2026&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cccttttggg gagggcagac ggggaattga ttttaaatat tgttttcgcc tcatacaatg  
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180tatttctcca gttagcaaat gtcgatgcc tggatactg ttagggtcca aatgaacaga  
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360acagtgcctg ggtaggctag acg

383

&lt;210&gt; 2027&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc gcttgccctt tacagagcca tgaagcagca gatgcaaccg aatactgtgc  
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120tcagctctc tgagtgggtg ctttgccatt gtggtgtgc gagctcagcc tcctggaaac  
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240ggcaggactc ccgagaacag gttcatgttt gctttttggg aggtgctgcg ctaaagtggg  
300aaaccaccct gggccgagtg ggacctcccc agctgggcgg ctgttaacca gccaggatgt  
360ctgaccctga gaagtcaccg tgcc

384

&lt;210&gt; 2028&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgac ggcggctgga tggctcttat attccaaaac tcaccccaag cctctcctgc  
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240ctccctctcc ctctctgagg aacttgggtc agctacagtc aatatctaga gaaggtattg  
300gcctagagaa ccttgcctca tcttaagccc gcacacctgc cgtactttgg gatcaccccg  
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382

&lt;210&gt; 2029&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc ggcagaacta ctactaaga actactccct gtttgtgagg attgtacctg  
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120aggtctgaag gacatttaac acattgattg ttctcttcat ccagcctttg agccctatga  
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240ccatcactat tctgtctca agttacactg gtgcctctca ctgactgc tctgaaaagc  
300cagctggaaa aatcaatgca tttgagtaca taaattcttt ggctccaaag aaatgccata  
360gcaatattgc ttttaattca gn

382

&lt;210&gt; 2030&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tatgattata gtaaacagac tagtgggtag taatgctaaa ttaccatcac  
60agttatgtgc catctcccca cccattttt tttttttttt ggatcaccaa aaaaatccgg  
120gaaaccagcc tgaggggggg ctgaccttgt taggaggggg gcaccaccac agggggggga  
180attaacgggg accccgggct ccaaaaagac caaaaagggt gcccttgggg cccaccctaa  
240cctaaaaaaa aagggggccc taactggaat tcggaaacaa gcggatttga aaacaaaaaa  
300aaaggatttt ttggccccct ttttaacaa gcggccttaa aatttggaag accccggcct

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402

<210> 2031<211> 382<212> DNA<213> Homo sapien

cgtagctgtc gggaggggttt gaaggagacc atcagctatt gtgtgatatc agacaccatg  
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120gatgtgtaac agttttcctt caccatccaa ataaccagac tctgtcagtc aaccagcagt  
180ggactacagc tctactaccac acaggccctg gcagtccttc ctatagcagt gcaccatgta  
240caggtgttgt gtgcaacaac ccagaaatcg ttacagttgg agaggatggg cgaataaatc  
300tcttcagagc tgatcacaaag gaagctgtaa gaaccataga caatgcagat agtagtacac  
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382

<210> 2032<211> 401<212> DNA<213> Homo sapien

ggcacgaggt gatcaaggag atggcagctc atatccgtga ggtggagcag agccgacagg  
60aggtggttcg gtctgtctta gaggctcagg cagtgcacga cccagaagag ggctcttcag  
120cacctagaag ctggaaaggg atgaacagcc aagtagcttc cagcttacag cagccctcaa  
180atttgagcct gccaccagct ccagagcttg actggatgga gacaggacca tctctgacat  
240tcattggcca tcaggatata ccaggagttg gtaacatcca ctcaggtgcc acacctcctt  
300ggatgatcca agatgaagaa tacattgctg ggaaccaaga aataggacca tcctatgaag  
360aatttcttaa agaaaaggaa aaacagaagt tgaaaaaact c

401

<210> 2033<211> 396<212> DNA<213> Homo sapien

ggcacgagat tctccgggct tatattcatt ctctgcttct ttctcccttc acccgtggga  
60ctctcaccct tcttgtctcat tctccagcac ccattcctac tttagtctct ttgaaatctt  
120ttttggagat ttctcttcag ctacaaatgt tccagtacaa ccaatattac tcctgagggg  
180caaagacttt ttcataattta tgtccctagt atctggatg gcgctggga tatggcattt  
240cagaatatgt tcattgtga aacagttaga tagatatttg tcattctgac aagtagccct  
300ttgcaattta tacttgagtt cactcctggt caatggcaca tggctggaaa atgcagaaag  
360caaattcact tacagcctga ggcttataaa gcttgt

396

<210> 2034<211> 396<212> DNA<213> Homo sapien

ggcacgagaa cagaagtgtc tggagtagtt ttcaggtata ggaatgagat gcctcgtggg  
60gaaaggatct caccctggga agatgtgggtg cccctccag ggctctggag gatggatgcc  
120tccccaggg gctctccaag ctgggcattt gggcctgggt gatgccaacc tggataacct  
180gtggcccagc attgactgtc caccagcctt tgctgttagg caccatgact ccaagatgaa  
240gatgtggtcc ctgcccttga gtgacagccc agggacttaa tgtggccatc gggcatcaag  
300cacaaggcca tgcaggtgat gatacgtcgg aatagaggca ccagccctgg taactgcac  
360ttctccctt gccaccccat ggccccggct gaaagc

396

<210> 2035<211> 392<212> DNA<213> Homo sapien

ggcacgagat catatccagg atgccccaca tacaccaagc caggcagagg gcagctcagc  
60tctgtccca tctgcttttg atatctttac ccaaaggcag gtaaccgaa gagccagcct  
120ccactgccc cagagccagg ccagttgtg ttggagtata ggtcaggagc tgtggaagga  
180ggcagctgtg gagggactca tgcttttaga gtctcaccc ctcagactgc tgcaggacat  
240tgccaggcct ctctccactt cttcctcag catcacagact tcatgctatc ttccaattcc  
300ggggagtctt agctattagg gcagtttctg cttctccatt ttggggacaa aggccttgcc  
360cagtacaaat ctagccctt gtcccacaga cn

392

<210> 2036<211> 389<212> DNA<213> Homo sapien

ggcaccagat ctttctcaa agcatggttg ctgagtaccc agagttgca ggagtttttt  
60aactgattta gccaggtggc aatcatgagt gaatggatga agaaaggccc cttagaatgg  
120caagattaca ttacaaaaa ggtccgagt acagccagtg agaagaatga gtataaagga  
180tgggttttaa ctacagaccc agtctctgcc aatattgtcc ttgtgaactt cttgaagat  
240ggcagcatgt ctgtgaccg aattatggga catgctgtgc agactgttga aactatgaat  
300gaaggggacc atagagttag ggagaagctg atgcatttgt tcacgtctgg agactgcaaa  
360gcatacagcc cagaggatct ggaagagag

389

<210> 2037<211> 397<212> DNA<213> Homo sapien

ggcacgaggt ggctggcacc ccaccctgtc ttctctgata tgggtgctggc gtagggccgt  
60gggggtaagt cacgtctccc cgtgggctca gggaggcctc tgcacttagg gtctgaccag  
120cctccccact aggaacaggg tgggaaagtc tgctcctgag ccaggagtca ggctgggagt  
180agcaatgctg ggaatgggagg tgtgtggccc tcatgggcct cctctgggaa gccccagca  
240cagatgtggg cccactcaga ggctgectcc tggacctccc cttctgctgg accccggcgt  
300atgcctcagc taagcccgtg ttccattctg ctcatgctcagaactcta gacatttgcc  
360tccgcaatta tatccattc tcttgaggga ccaggac  
397

<210> 2038<211> 389<212> DNA<213> Homo sapien

gatactatgc ctttaacttt agaccgcagt atattataat acatttgata tctgaaatat  
60ctttactttt ttaagagtaa gattccatat gtctgtctgg aaggagacca tggttattca  
120cacgaatata cctgtcactt ctccagaggt gtgaggtaac taacacgagc attctttgaa  
180gactctgggc acatgaatga tacacagaat tgaatgttta aatttccact ttgagtcctc  
240atgaatcatt tgagactagc accagctgat cttgtgtaca ggctcagggt cagtgcccaa  
300gggctccgc gtgtgtgttc tgatcttcag tgcgtagcac attctccatt tataaaagag  
360tggtcagaat aattgtggac ggtacagt  
389

<210> 2039<211> 391<212> DNA<213> Homo sapien

ggcacgagggc gacatttaat tttagttagt ttacatttaa acagccacac ttgactcgtg  
60agtgccttat tcgacgggtgc atctctggag gacttgctcc cttcagcctg acttacaaga  
120aactgtgtct ctacctgagc tccagttgtt gagcgctaag gggcaagtgg aaaccagat  
180gaccatcaca tcagccttgg gagcccaaag ctgggcagag ggcttggag ttggccatat  
240tcatggctgg tatctccatc agatgctgat ttggggccat ctgtgtatgt accctgtgga  
300gttaagtgtc ggtgattcag agcggatatg ttgtgattta cacactcaag aaatgggagt  
360gcgggccang tgtggtgtct cagcctgta a  
391

<210> 2040<211> 395<212> DNA<213> Homo sapien

ggcacgagga acggggggac ccttagccct caagggagga ccaggaactg ccaggaaacc  
60ccctgtccgt gtcccgggaag gggacagcca ggcaggtttg cacagcagga cctccttcca  
120tcttgagag ggaggaggga ggcagctgcc acagtggag taaccttgaa cctcctgtga  
180gtcatggaat ggaagacaga gcagacctca gaccttgag agtcagggcc gccactgagc  
240cagcccacga ggctgtatct gaggggtgag cctggcacca gcgggtgtc cgtgactgcc  
300tgtggcagcc ccgccacacc tcgtgccact cgccttctg gggcgtccgc gatcgccagt  
360agtgagttcc acgcggcgtc tctgtggtaa ggagc  
395

<210> 2041<211> 392<212> DNA<213> Homo sapien

ggcatgagaa gaagctctgc ttggtactac tattatgaac aacattgtta tttggaattt  
60aaaaactggt caactcctga aaaagatgca cattgatgat tcttaccag cttcagctctg  
120tcacaaagcc tattctgaaa tggggcttct ctttattgtc ctgagtcac cctgtgcaa  
180agagagttag tcgttgcgaa gccctgtgtt tcagctcatt gtgattaacc ctaagacgac  
240tctcagcgtg ggtgtgatgc tgtactgtct tctccaggg caggctggca ggttcttgga  
300aggtgacgtg aaagatcact gtgcagcagc aatcttgact tctggaacaa ttgccatttg  
360ggacttactt ctgggtcagt gtactgccct cc  
392

<210> 2042<211> 401<212> DNA<213> Homo sapien

cgttgctgtc ggcttttttg actgtttctt ataaaatctg ggaagatggc tccagtgatc  
60attctacata tattgtacaa aacttagatt ttcacctggg tcataatact atggttacca  
120aaccatgttg tgctttggaa agtcctatgg caacaataac caagataaca aggcgtcgcc  
180atgaaaatcc accccatgga gtaacaagtg tgaaagaatg gttcaattat gttacagcta  
240caaggaatga agagctaaat ctgcttcgta atgttgatgc taacaacact gagaatagca  
300ctactgtgaa gaattctagt ttgttgatg gattcagagg aggttctagc tacaaccatg  
360aaacagagac tatctttgca ttaccaagga tgcagcttga c  
401

<210> 2043<211> 398<212> DNA<213> Homo sapien

cgttgctgtc gcggccccct ccttctccc acagccaagg acagacaggc tgcttgacc

60tgagcccaac agccttcagc ctcagaaacg catggggggc cacacactcc ttatatcctc  
120ccacactaag gttcccttg cccacaggga gcttcaggaa agcccccaa gttagccact  
180gctctaggac gagctctgtg tccccacac cacaggcctc gaagcagggg gctgggtggg  
240gccctgcacc ccaatcccag gtcccttg cccctatatt ttctcgggcc cattggggcc  
300tgtttctcac ctgctggctg gacccctga agggccgttc ccagaggctc ccagagggc  
360tcaaggctgg gggcttatgt tgtggtcggn ggtccccg  
398

<210> 2044<211> 397<212> DNA<213> Homo sapien

cggtgctgtc ggaaagctct gtgttctttt gccttcaatc tgntggcttc aaaacaaaac  
60ggcaaaaaaa gtttcttg cgttccctc cctgaaaac ttctttttt ttttgcctg  
120tatgcacaag gtaggactta cttcgtaga aacaaaatgc cagtattttc ttaagccatg  
180atgtgaaacc aatgacctg tgaccacatg gcacagaaca ctaaattttg gtcccatggc  
240tgaaacttga ggggtgactaa aagtaatgcc tgtgaaacat gatattctatc tgggatggcc  
300atttgatctc taaaaggaat tttgtacact ccacagaact cctattctata gtaaaattga  
360ttttcagttt taaatgtggg caaaaaggca ttctctc  
397

<210> 2045<211> 394<212> DNA<213> Homo sapien

ggcacgagca ggcggcagag gttgcagtga gccaggatcg gcgcactgca ctccagcctc  
60agcaatagag tgagactgtc tcaaaaaaaa aaaaaaaaaa acccccccca ttttcaaaac  
120accccgga aaatttttgc ggggcccttt taataaaaaa ccacgggggtt tttacttttg  
180tatttcccca aaccccttg gggcaggggt tggggggcgg aatttttttag ggccctcaa  
240aaaatccttt ggggtttgaa aaccgggaaa accggggcat taccctttt tgggaagggg  
300gcaaagcctt ttttttttg ggcctttctt tttttgagaa ggggtcttcc ctgtcccc  
360ctgcttaaaa accctggtgc aaaccgtgc taag  
394

<210> 2046<211> 397<212> DNA<213> Homo sapien

ccaaaccac gtcaaaaatg gctgttttc agcgatgta taaaacaaag gcctgtttt  
60tgggaattggg ggtgactggg tggtttggat tgaaatgtgg acaaagatag catgtgtatt  
120ttgaataaaa taaaattttt gtaataaaac ttttaaaaat cagtgtatga aaatcaatat  
180ttaagactat aggctataaa ttgtttgatt tcattaacta gcccttttga tgcctagaca  
240tgttgtaaaa aaattgtgct atggctgcct tttcttctgc ccacaacac aaagggtat  
300ttctacaagg caaagatttg gatattgtct attctttact tcagattgag agttngaaa  
360aactggagta aataatgggt ttcttacttg cttanaa  
397

<210> 2047<211> 400<212> DNA<213> Homo sapien

ggcacgagct ctggggctac aggtgaggac aggggggga gctcccagcc tgagagttgt  
60gacgtgcagt ctaatgaaga ctaccctcgg agggccctaa ccagggccag gagcagactg  
120tcccatgtac tgctgggtatc tgagtcaaga gtagccaaa caaagccacg tcacgccatg  
180aaacggaagc ggacagcaga taaatccact agtacaagtg atcctgtgat cgaggatgac  
240catgtgcagg ttcttgtatt aaaatccaag aatcttgttg gactactat gaccaattgt  
300ggaatcacag atctagtgtc aaaagactgt ccaaagatga tgttcatcca tgctaccagg  
360tgcagggtac taaaacattt aaaggtagaa aatgcaccaa  
400

<210> 2048<211> 401<212> DNA<213> Homo sapien

ggcacgaggc tatccctcct cctgttctt cctccagagg tagtctctgt taccctttta  
60tttgtttctt ttatgggttt tttgtgtga tttatacaaa tcgatgcaca aagagggttc  
120tcttctctca taaaagtgtat tattagtctt cagtgcgcct tttttctcc taacaaatgt  
180aaactgggag cattttccca agtacatatt tataatactt acggggccta tctagtattc  
240tgtgaatata tactgttaat ttattccttc ccattgacag acttaccttg tttccatgta  
300ttgccattat aatcaatttg caaagaaaat tgtgaaccc ttgttttttc actagagata  
360gacattttat ataataagtt gttgggataa gcagttttga a  
401

<210> 2049<211> 401<212> DNA<213> Homo sapien

gggccattac ccagccccg gccccgggtg cctctgcgtc cgtgccaggc ctcctgatgc  
60caaggccaca tccccgtgct tccagtgaac agaccactga ccaccctgac tgtccaaacc  
120tgtgaccca ggccaggga cggggaggaa accaaagaaa accattttca gggagctcag

180acgtcacagg agggagcggg agcaggatgt ggccctggcc tcgccagagc acctgaagaa  
240gcatgccgtg agcgaggctg cgagtgcctt gggcgccgtt tctcacgcag tgaatgcttt  
300tccaggcctc tgttgcttac tgcaccacac ctgggggggt gggagcgtcc tctaggtgcc  
360cctagttctt tgcctgcct cccagagggg gaaaaagccc c

401

&lt;210&gt; 2050&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggctgtctgt cagtggagat ggtgttggct gtctgtcggg ggagatgggtg  
60gggggtgtct gtcggtggag atggtggggg ctgtctgtcg gtggagatgg tgggggctgt  
120ctgtcagtg agatggtgca ctctgactgc tattattcta catttcactt tgcactggta  
180ctagggacta gatagaattg accggggccat tgaggatagg ctgcttctac tacgccccct  
240gtccactggg cagccacttt tttagacacc aggtgtgcac cgggcgcatt tctctctcca  
300gcccgtctta ggatccccac cctgctgttg aagggggccc attcttcaac gttcataag  
360acacttgtcc ggagaaacct ccgttcgggc cgaaactgtc g

401

&lt;210&gt; 2051&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

gccaaacatc cagaatgtga tgggacaaga tgggggcagg ggcctcacct ccctgcagag  
60gtccggccag gtctccttgt ccttgacaa tctcctgagc ctctctgctt ggtggagcag  
120gcacctgtgt gcagaattcc cactgtggcc agcacgagg agtcttttct agtgaaaatg  
180tgtcttggg tcaggaataa ttatccttcc cctgtagcc accaaggagg gcaaatagag  
240aaaggtaacc taattgaagg attggtcatg tgaaggggc tacatttggg aagctgggaa  
300aggcctccag gcttctagag cagctagctt gggctggatt ctacacacca ggctgccct  
360tggtgttc tacccaagct tttcctggg gtctg

395

&lt;210&gt; 2052&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgtgtctgcc acccgccctt ctcaagtga gctctgggtc gagagagggg  
60gggggtgaat tttgggctaa ggagcctgtc gatgtcactt ttctgtctt ttcaattatc  
120tgtattggct ttttgattgt caaagtaaaa aaatgtgaag attacaggaa tcatgtcctg  
180ataatagcta cctcatatca agccctcact atgtgccagg caccttctgg ggacttggct  
240gcagttgtct gttactcttc acacaagctc aatgaggcgg tctgttatt accattttta  
300ttttaagaat gaggagaatg cagcttcaag aaggtaagca acttgccgac cgtcacacag  
360cttagccgag gaagagccag gttcacaca

390

&lt;210&gt; 2053&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtc ggcagatcac ttgaggtcag gattccaga ccagcctagc caacatgggt  
60aaaacctgtc tctactaaaa ctacacaaag tagccaggcg tgatgggtggg cacctgtaat  
120cccagctact cagggagcct gaggcaggag aattgcttga acacagaagg taggcattgc  
180agttagctga aatcacctca ttacactcca gcctgggcaa cagagcgaga ctcttctta  
240aaaaaaaaa aaaaaaaaaac tccggggggc gttttttaag aaaatccaaa ctggataaaa  
300accttggggg agttgggaca accccacct aaaaggcggg gaaaaaaagg ctttatttgg  
360gaaattgggg aggttttggc tttattga

388

&lt;210&gt; 2054&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaggtgggag gtgatgagac tcaagactac agagagaaga aagggccggc  
60agcccagatc ccagcccccac ccctcctgcc ctgcattcag gcagagcaca gagggataaa  
120gagggagggtg ggttggggga caaggcagag atgcatatac ctgggacgta cacctgcgtg  
180gagcccagaa ggaggcttct gtccgccaca ctgctagtc ccaggggccc cttgcaagtg  
240gacatcatgt taccacacat gcatgtgact tggccagagg agacagagtc ttcattgtga  
300ctggaaaaag atccccctct cccggtggat acatttgaca aacaaaaagt gggctggtt  
360tcagcccctg ctcatctcat tggcccaata cctgtgg

397

&lt;210&gt; 2055&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtc ggcgcagggt gagcgccggt gtcccgga gcaggtcggg tcagcccagg  
60ccagtaacct ctgagttacg ggaggagtga tcgctagggt ccaccccggt cccggccaga  
120tctgccagct cccctctctg gcgggtgttc tggtgccaag tctgggagcc caggtagccc  
180tccgcagaca gggcttctcg gcacctcaat gaggacggac gttgatgagg ccatgaatga  
240gatgtcatgt ggcctgtgtt ttggaccgtg gtctgtacct atgctcctta tgtcacattc

300cctgttgccct tcgtggctcgg ggctgtgggt taccacctgg aatgggtcat caggggaaag  
360gacccccagc ccgtggagga ggaaaagagc  
390

<210> 2056<211> 403<212> DNA<213> Homo sapien  
cgctgctgtc ggttaccttc ggctccagct actagctttc ctttttggaa ccttacagg  
60accaaccctg ccttcctga tgcgggattt ccctttgttt ctaggacagg gaaaaccaat  
120gatttcaacta agatcaaggg atggagggga aaatttcata gtgcttctgc atctaggaat  
180gaagggtggaa attcagaaag ttactgaaa aatcgttctg ctttctgtag tgataagcta  
240gatgaatact tggaaaatga aggcaagctg atggaaacaa gcatgggttt ttcttcta  
300gtccccacat ctctgtgtgt gtaccagctt cccactaaga gtaccagtta tgtacgaaca  
360cttgatagtg tactaaagaa gcaatctact atttccctt ctn  
403

<210> 2057<211> 391<212> DNA<213> Homo sapien  
ggacgagggg gatgagagct gtttcgttcg ggacaagtcg ccggcggcgc ccgacggagc  
60agaagagaga gcatggagct ggagaggatc gtcagtgcag ccctccttgc ctttgtccag  
120acacacctcc cggaggccga cctcagtggc ttggatgagg tcattctctc ctatgtgctt  
180gggggtcctgg aggacctggg cccctcgggc ccatcacagg agaacttcga tatggaggct  
240ttcactgaga tgatggaggc ctatgtgctt ggcttcgccc acatccccag gggcacaata  
300ggggacatga tgcaaaagct ctacgggcag ctgagcgatg ccaggaacaa agagaacctg  
360caaccgcaga gctctggtgt ccaaggtcag g  
391

<210> 2058<211> 396<212> DNA<213> Homo sapien  
ggcacgagggc agggagctgc tgacacagcc ctgcaggcag aaggatcccc caaacgtgga  
60ttacgaggat ctcttctct actccaacgc agtggccgag gaagctgctt gcccggtgtc  
120tgcccctgag gaggcctccc caaagccagt cctgtgtcac caatcaaagg aaaggaagcc  
180gtcagcagag atgaacagaa taaccaccaa ggaagccact ttctcctgcc ccccaaatc  
240ccctcttgga gagaccgcgc agaaactctg gaggagcctc aaaatgtctc ccgagagagg  
300ccagaggggtc cggcagcagc taaaaagcca cctcgccact gtgaacttgt cgtcactctt  
360ggatgtccgg agatccacgg tgatctcagc ccctgg  
396

<210> 2059<211> 402<212> DNA<213> Homo sapien  
ggcacgagct tcctctacag ctacagcttt cacatatgac gcagcattcg ggaatgtccc  
60cgtcacctag caacagttat gatacttccc cacagccttg cactaccaat caaaatggga  
120gggagaataa tgagcgatta tctacatcca atggaaagat gtcaccaact cgctaccatg  
180caaacagcat ggtcagagg tcatacagtt ttgaagcctc acaagaggac ctatgtatg  
240atgataaagt ggaagaatta atgaggaggg acagcagtgt gataaaagag gaaatcaaag  
300cctttcttgc caatcggagg atttcccaag cagtgtgtgc acaggtaaca ggtatcagtc  
360agagccggat ctctcattgg ctgttcagc agggatcaga cn  
402

<210> 2060<211> 395<212> DNA<213> Homo sapien  
ggcacgagggc ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg  
60ctattccatg gtgagccgca gccccgtccc gccctgccgg aggccccagt accagcttcg  
120aggccccact gagcctgctg cctgacccg tggccccagc tgagcacgca ggcttcctgg  
180ggttctccca gggctggcgg cagagccctc cctccagggc ccattgtgtt cctgcattcc  
240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg  
300tctcctctcc ctgccttggg aggccttgcg gggctctagc tgcctccag cactttgggc  
360cctgggcccc cagaggcagt cagtacctgg gtgga  
395

<210> 2061<211> 387<212> DNA<213> Homo sapien  
ggcacgagggc ggcgggcgca tctcccacca gagtcaggac aagaagattc acgtgtacgg  
60ctattccatg gtgagccgca gccccgtccc gccctgccgg aggccccagt accagcttcg  
120aggccccact gagcctgctg cctgacccg tggccccagc tgagcacgca ggcttcctgg  
180ggttctccca gggctggcgg cagagccctc cctccagggc ccattgtgtt cctgcattcc  
240cccatggagc acacgccaga cctgaggggt gggacggaca cccccaggca tggccggctg  
300tctcctctcc ctgccttggg aggccttgcg gggctctagc tgcctccag cactttgggc  
360cctgggcccc cagaggcagt cagtacctgg gtgga



387

&lt;210&gt; 2062&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gatgctgtgg ccgaccatcg agccaaagac ttcattcacg attctctgcc  
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360gccctgtgac agtgtggagg accagctgtn

390

&lt;210&gt; 2063&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gggcctcttc aacactggca accagagaat gttaaccagg ctttcaccag  
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180gatgagacct catggattta gatttggatt tccaggaggt agtcatggta ccatgccgag  
240tcaagagcgc ttccttgtgc ctctcagca aatacaggga tctggagttt ctccacagct  
300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc  
360agtgtgactt cctcagcatt tttcaccaca gagcttgcca g

401

&lt;210&gt; 2064&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gggcctcttc aacactggct tccagagaat gttaaccagg ctttcaccag  
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120atatgctgtt ttcccaaaag atcagcgtgg accctatcct cctgatgttg ctagtatggg  
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300aagaagatca gtatctgtag atatgcctag gcctttaaat aactcacaaa tgaataatcc  
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398

&lt;210&gt; 2065&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcgccagcg gaacctcatg atctatatga tgatctcctt ctcaaacttg ggggatgtga  
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120ggccccatata gtaactacc gatctcctgg aagacggacc cagcggcact attcaacct  
180ccaacacctt atgtgttcaa tttgtgactc acgtgcacat ttatcagaaa acagtccctt  
240accacgaaaa gtctcgtcgt gcttcctgtg ctccaggaga ggacatctcc tgtattcctg  
300tccagccccc ctttgcgaaat actgtcctgt gcctaagatg ttggaccact catgtctttt  
360cagacattcc tgggataaac agtgtgac

388

&lt;210&gt; 2066&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaccgccat cctgggggtc ttctctata acaagaccaa gtacgatgca  
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120cgtcaccgga gccactgga gaagccccac aacggcctcc tcttccccca gcacggggac  
180tatcagtacg gccgcaacaa catcttaaca gaccacttcc aatacagccg gcagagctac  
240ccaaactcgt acagtttgaa ccgctatgat gtgtagagtc caaaggacag gaccagactg  
300ttggtgactc cttccccggc cccacagca gtatcagaaa cttctgacaa tcagtgaatg  
360tacaacccag ccgaggggac ggtgcataac tctccat

397

&lt;210&gt; 2067&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtgggcttg ctccattgtg ttggtgcaac cccagcagcg gtctctggg  
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120ggctggcctg ttggcgaggg tgtcctgggt gtggggcggg ctgagtcaag gaaggactct  
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240gggtctggatt tgctggttaa caagataacc tgagggcagg accccatagg ggaatgctac  
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395

&lt;210&gt; 2068&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgtc ggtgggcttg ctccagggtt ttggttcaac cccagcagcg gtctctgggg  
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120ggctggcctg ttggcgaggg tgccttggtg gtggggcggg ctgagtcagg gaaggactct  
180gaaggtccca agcagctgct gaggccccc aggaagtggg tccaaccttg gaccttatg  
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399  
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240ctggctcttg agctgtgagg ggaggtgtag gtgtgtgggt gactgctctg tgctgcgctt  
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400  
<210> 2070<211> 389<212> DNA<213> Homo sapien  
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120gtgggcttgt cagtgaacaa aggctaaaac ttcagcaaga aaataaacag ttacggaaag  
180agactgagag tttaaggaag attgccctgg aggtcaaaa aaaagccaaa gtaaagatca  
240gtacaatgga acatgaattt tcaataaagg aacgtggatt tgaagttaa ttgagagaga  
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360aggcagccaa taggtggaag gaagaaacg  
389  
<210> 2071<211> 382<212> DNA<213> Homo sapien  
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180gggtttgaga tagtgccctat tgaggaccca gcgaaacatc ggatactgga ccccgaggc  
240cttgctctag gtgctgttat tgctcttcc aaaaaggcca agagagacct catagataac  
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382  
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120acacgtccct gaagccact gagatcctct acctactga gccctatgac tggttcctct  
180tcgggcacat gttggtagat cggctcagca aaggggagga gattttcttc ttctgcttca  
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300gtttgcccag ccgggatgga ggcttcaccc tggaagacat ctgcatgctg agacgaaagg  
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394  
<210> 2073<211> 384<212> DNA<213> Homo sapien  
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240caatcccatg tccaagggc tgcttaatc atcatggttc atttagcagc aagtgtgga  
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360cctgtaatcc cagcactttg ggag  
384  
<210> 2074<211> 393<212> DNA<213> Homo sapien  
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120gctcctgctg ccttatgttc tgaateccag tcacctgctt ttcttggtac atcttcttcc  
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240gaactgcgta ttccattgga atatggctgg cagagagaga caagaataag aaactttgga  
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360cctgaagtaa taaagtatct cagcagaaat ggn  
393

<210> 2075<211> 400<212> DNA<213> Homo sapien

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120gccttggtgc cttctatgag gagaccacac aggagctgga tgcccagcag gccaggctct  
180cagccaagac ttcagagcag acaggggagc cagctgaaga tacctctggt gtcattaaga  
240tggctgtcaa gtttgaccgg agagcatacc cagcccagat caccctaag atgtgcctac  
300tanagtgggtg ccggagggag aagttggcac agcctgtgta tgaaacgggt caacgcctc  
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400

<210> 2076<211> 403<212> DNA<213> Homo sapien

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120cgggagatcc aggtgatgat gggcagcctg gtgtacctgc ggctgggctt ggagaagaca  
180ccctactgcc acctgctgga cagcagccac tgggcagaga tctgtgagac ctttaccggg  
240gacgcctgtt ccctgctggg gctttctgtg gagtcccccc ttagcgtcag ctttgctct  
300ggctgtgtgg cgctgcctgt gttgatgaac atcaaggctg tgattgagca gcggcagtg  
360actgggtctt ggaatcaciaa ggacgagtta ccgattgaga ttg  
403

<210> 2077<211> 400<212> DNA<213> Homo sapien

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180ctggattttt ctgcccatt aaggtaaaaa aagaaaaaaa aaagcaacca ccaccataat  
240attaccagag aaaccagctg tgttctgtaa aaggccggcc tatcagattc aagttgcaag  
300ccttatacac agtaagtgtc tcatgcacat atccatgagg attcacataa gctgccatcg  
360gcccacataa ggataaacta aaacaagaa tcaacatggt  
400

<210> 2078<211> 391<212> DNA<213> Homo sapien

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120cgtgggtggg acacgggtgtc tgggtgtagac ggggagcgtg ggtgggacgg tgtctggtgt  
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240gggtgtctgtt gtagacggag agcgtgggtg ggacgggtgtc tgggtgtatac tgggagcgtg  
300gggtgggacac ggtgtctggt gtanaccggg agcgtgggtg ggacacggtg tctggtgtat  
360aatggaatgg gagtgtgtgt ttgtgacatg g  
391

<210> 2079<211> 398<212> DNA<213> Homo sapien

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120ggaggggcatc tccagggtca ccatcattga tcttgatgcc catcagggca atgggcatga  
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta  
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac  
300agaggatgat gagtacctgg ataagggtga gaggaacatc aagaaatccc tccaggagca  
360cctgcccagc gtggtgggtat acaatgcagg caccgaca  
398

<210> 2080<211> 397<212> DNA<213> Homo sapien

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120tgaaaggatg aagaaacacg aaaagattat gattacatgc tggatcatcc agaagagtac  
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240gtgatttttg ttagcgtgtg tgctatttcg gtgtttcagt ttttcagctg gtggaatagc  
300tacaataagg caatcagcta cctagccaca gtgcccaagt accgtatcca agctacagag  
360attgccaagc agcagggact gctcaaaaaa gccaaag

397

&lt;210&gt; 2081&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcaattccgt tgctgtcggc ggcggccaca gttggggccg gtggctccgg aacgagatcg  
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120caaggggggtg cgagtcctct gctgacacag gcagggtttg agagtgccga aaaagcatac  
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300gttgagatgg gtttcaatgt ggacactctc cctgcttatg caaaacggtc tcagaggatg  
360gacatcactg ctccctccgt gaccaatcag ccagtgaccc ccc

403

&lt;210&gt; 2082&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc caaagtcaaa caaactgact tacagaagct ggcacagagg gaggaagccc  
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120aaggattctg gaaaactggc atccgttctg atgtctgtca gcatgcaatg atgctacctg  
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240atactttcca agatcgttgt ctgttgacgc tggccatgac tcatccaagt catcatttaa  
300attttggaat gaatcctgat catgccagga attcattatc taactgtgga attcggcagc  
360ccaaatacgg agacagaaaa gttcatcaca tgcc

394

&lt;210&gt; 2083&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggaattca ttcaagactt tcataaactc accgcagctg acgataaaac  
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120gcaaaaacgc agtgaagaac agcttcaaga tgcacagctg gccattgagc gaagcgtgat  
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300tcagatacca gaggtttatc ttcgagaagc accatggcca tctgcacaat cagaaatcag  
360gacaataagt gcttataaaa ccccc

385

&lt;210&gt; 2084&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgcc tgaatgtatt cgagcactat ttgggggatg acacgactag ggagcatcca  
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300catgatggca ccaggaatat cttagatgat tttagagaag cttacttttg gctaaggcaa  
360aatcacagatg aacatgcacg agtaatgn

388

&lt;210&gt; 2085&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattcggcac gaggtagcat ggagggggag aggacgtagg ctgtgctctc gggctttgtg  
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120ggggaagtaa aaggtgaagc caagaacagc attactgatt cccaaatgga tgatgttgaa  
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300ttcacaaaaa cttgcaggag catttttcaa accaagacct tgtttttctg ctattaacac  
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403

&lt;210&gt; 2086&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctcctttgt ggccctctg caagagaagg tggcttttg attattttt  
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120gaggggggtct ctgggtctct ctctaaactg gattactctg gtattgctct tctgattatg  
180ggaagttttg ttcttggctt ttattattct ttctactgta atccacaacc ttgcttcac  
240tacttgattg tcatctgtgt gctgggcatt gcagccatta tagtctccca gtgggacatg  
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360ggaatcattc ctaccttgca ctatgtcatc

390

<210> 2087<211> 383<212> DNA<213> Homo sapien

cgcttgctgtc ggctgggtgat agctgtgtta cctgccaaat ctccaccaac aaataaaaatc  
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120gggtatccaaa acattgaccc tgaatctgac ccctatgtca ccccaggaag tgtgctgggg  
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240gggtctaatt ctccctcaa cacctcgctg ccttcacctg gtgcctggcc ctacagtgcc  
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383

<210> 2088<211> 402<212> DNA<213> Homo sapien

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120cagcctggac ctccgcgcca actgctacca gcgcttcgtg gtgccgctgc tcagcatcag  
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240ctcagccagg gccaaagtct ctgcagcctg tgggtccctt gtgacccccg agtgtgaaca  
300ctgtgggcaa cgacaccagc ttggtggccc catgtgggca gagcccatcc atgacctgga  
360ttttgtgggc cgtgtcctgg aggtgtgag cgctaacccc gg

402

<210> 2089<211> 381<212> DNA<213> Homo sapien

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60aactcgggag gtggaagttg cagtgaagctg agatcgtgcc actgcacgat ccgcttgagc  
120gacagaatga gattccatct caaaaaaaaa agtacttaat acctacttta aagattgtca  
180tggaatatata aagtatgtgg cccttactaa tgctagataa tgctttgctt tcttttattt  
240gcatcttacc ctcttcctg agtattgata ctgtcttaaa catagtaggg ttgattaga  
300tatttgctgg ttgccccttc acttcaggg gatacatata aatgttggtt ygtattggat  
360aatgaatatg atgtttctaa a

381

<210> 2090<211> 367<212> DNA<213> Homo sapien

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120taagggttaag ggaacccag aagggttggc cccataggaa acctggggcc acaggaattg  
180gtggaccatt taattcctcc ccccgggggg aagccccagc ctaaaaaagg aatttttttg  
240gcccttttcc tttcccccc cttccccttt aaaaaaaacc ccaggggcaa tggttccttt  
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360aattttg

367

<210> 2091<211> 363<212> DNA<213> Homo sapien

ggcacgagat agggtagtct tgactagata taaccaaggg ataaaagagg attagctgac  
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120aagggtgttt cataatttct gaccgaagta tttgttacac gtaaaataag taagaacgga  
180ctgaggccag aaagctgtgg atgacagaag ggattgggtgc attctcagtg aattttgata  
240caaattaagt atgtgggtag tttttaata catttactat atatatatat taatgaaaaa  
300ttgtttccta aactgtgaaa aggttatta aagaaattta gaggttggtg gcggtgactc  
360atg

363

<210> 2092<211> 380<212> DNA<213> Homo sapien

ctttgatcct tctggaatta attttgggtgc attgactgag gtagggggtc acgtttcctt  
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120tttccctaaa ctcttatata tcaaacaag cactcactgc aaacttgatc aatagaggaa  
180agtatgcttt ttttgtatt taccttttac cagtttcact tactgtaaat cataaggttg  
240ctttacatag tagaaaaata gcattatctt aaacctggct ttttattact aaatatatca  
300ctaaaaaatgc ttacaaaagc agtaatgatt ttatttcttg gggaataaaa tcaagaaagc  
360taaaggagct gctatgccac

380

<210> 2093<211> 375<212> DNA<213> Homo sapien  
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120cctgtagtca ccagatggag tcccaaacag ccaagcagat gtaaggcctg tgctgtggct  
180ctgagggcct gaatacagaa gggtcacttt cttagtggcc aaagagcagt tggtgacatt  
240gatgtctaatt tattgaacac gaccagtcatt tttactgagc tgcgggtgagg aaacactgac  
300catagaagat caagccaaat gagggattgc aaatttcctg attcttttga attaggattc  
360cagatggggg cctca  
375

<210> 2094<211> 369<212> DNA<213> Homo sapien  
ccgttgctgt cgggctgagg acttatctgg ggttctgaga ctccctgtcc cggaccgcag  
60cggttaaaagg atctgaacaa agtctgtctca aatctcctgc tgtgaaccag cagaattttt  
120gaacaggttt cttcacatat aaaaatctat tgtaaaaata cggaacagaa tggcagcgga  
180aacgcagaca ctgaactttg ggcctgaatg gctccgagct ctgtccagtg gtgggagtat  
240tacatcccct cctctttctc cagcattgcc gaagtataaa ttagcagatt atcgttacgg  
300cagagaagaa atggttagcac ttttccttaa agacaacaag ataccttcag accttctgga  
360taaagaatt  
369

<210> 2095<211> 377<212> DNA<213> Homo sapien  
cggttgctgtc ggccacgaac acagccttgg gcccaagggtg atgcgcgccg ctcttgagtc  
60cctcagatgc caaacgcaaa aaaaagcctt ctctctaaa gacacggaaa tgcaccgagt  
120ccggctctgc ctacccccca aatccttccg gtccccaac tcggcagcca aaatcgaaaa  
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc  
240cccggccgct gtgcgcgact taggacggca tcccgagact acccttctca aggccgtatg  
300accagtcga gctgccatga tagactctcc gaagccgggtc gtcacctgcc ggaccagccc  
360tgcagaccg tctctcn  
377

<210> 2096<211> 372<212> DNA<213> Homo sapien  
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60cctcagatgc caaacgcaaa aaaaagcctt ctctctaaa gacacggaaa tgcaccgagt  
120ccggctctgc ctacccccca aatccttccg gtccccaac tcggcagcca aaatcgaaaa  
180ctactctcgt ctacgcgcc ccgctgttga ttacctgcca ttccgcacgg gcgcctgcgc  
240cccggccgct gtgcgcgact tcggacggca tcccgagact acccttctca aggccgtatg  
300accagtcga gctgccatga tagactctcc gaagccgggtc gtcacctccc ggaccagccc  
360tgcagaccg cc  
372

<210> 2097<211> 148<212> DNA<213> Homo sapien  
ctangaaaga ccccttctc ttgcagtgtg tctccagcgc cctctactga caaagtatgc  
60catcatgcaa gctgcaaagg aacatttca agagtctata tctattttca cggagcggg  
120accaacagtg aatgtggagc tgagagag  
148

<210> 2098<211> 379<212> DNA<213> Homo sapien  
ggcacgagag aatgcctcca ggtggtcat tccatgtgac tagtgcaggg ttgcatggga  
60gaggatagct gatgaaccca gattgtgaaa ggctttgtgg ctctgtgctga ggattgtggg  
120cttaactctg ggtattgtgg agctgttaaa acacatatta aggagtgcag tgatcagatt  
180ttccttttta aagtgcattc tgtggagcag taattcttag ctatggagtc caccacaaac  
240tttgcctga taggttgtga ggtatattaa gtatatgta ccaataataa aatatcaggg  
300cttacacatt aattgatttt ttaataagtt aaagcaagtt gaggttatca ctgtgatttt  
360cttcattcac ttacatcct  
379

<210> 2099<211> 375<212> DNA<213> Homo sapien  
ggcacgagat acattttata ttggaagggt tgcctaaggg caggtgggag cagtatagta  
60tatgcatgct caggcagggc tagagtttga cctcaccacc tcaccagtca tattagagta  
120gctgtccaga caagggtgtg gacacaattt cttatcagac caacaacctg caaagcagtc  
180ctcagtcctc atttccctcc tgcttgtgac cagctatcaa aacctcaact ctggctaaat  
240ccagcaatcc gcctagggtg ctgagcactg ctagagacaa atcatacaac tatgcaaatc

300agtgttacta tatgatcact aacctcgtat gaaccttcac tgtgcttgca acatcagctc  
360ccattcctac\_cactt

375

<210> 2100<211> 371<212> DNA<213> Homo sapien

cgattcgaat tccgtgctg ccgaaaactt ctggtatttt acccacgaag aacttcacgg  
60gtccagtggg tttgccctta tggccgagtg tccatacaca ctccaaaatt ctttatcag  
120ccacaagatt agttcgtgtt tcaacatctg tagcttcagc acatactgat ggaaaaataa  
180agattctgtg tcataaatac cttattggag tgtagcata tttgacagaa ctggcaattt  
240ttcaaattga gtgaagcctt atgtggacta taagttaga attatatact cttattgata  
300acttgccctaa ttgctatgct gaaagagact gcaggagaaa taggcatcta tctctgcatc  
360tgttttcccc a

371

<210> 2101<211> 373<212> DNA<213> Homo sapien

tccgttgctg tcggtttcct tgttggattt tcttggtctc tgctgctact gtaaaaacga  
60aatgagtggc cctgctcagg ttccaatgat gtccccaaat gggtctgtgc ctctatcta  
120tgtgcctcct ggatatgcc caccaggttat tgaagacaat ggtgttcgaa gagttgtcgt  
180gggtccctcag gcaccagagt ttacccttg tagtcacaca gttctccacc gttctccaca  
240tctctctcta cctggtttca ttctgtccc aactatgatg ccgcctccac cagtcatat  
300gtactcacc gtgactggag ctggagacat gacaacacag tatatgccac agtatcagtc  
360ttcacaagtc tat

373

<210> 2102<211> 381<212> DNA<213> Homo sapien

cgttgctgct gaactgccc acatcatctg cagtaggacg ggggagttgg agccctggc  
60aggccactct gctactgacc acagttttct catctctaaa aaggcgcagt aacaatataa  
120ttaccgtatg cagtccccca ggatacaggg tcaaaggaga ccacaaccat cgcagatgga  
180agcccattgg gcagggccca ggacacagtg agcatacaat agacattagc tgctgtggtg  
240tcttgatttc aagcccagtg cagatgcac tgacttacga aacttcagtg acacctgctc  
300tgtgccagac actgaagatg gagcagtgaa cagcactgac ccagccatgc ctctgttgc  
360ctgcaggcca gaagcaaggt c

381

<210> 2103<211> 362<212> DNA<213> Homo sapien

ggaccaagac aaagttaagt aaactctgga gcagtgtatg tgatgagtgt gtggcagggg  
60gttttttatt ctgcaaatt ttgtgtacgt ttgaagctac cacagaatag cagatattag  
120aatgattcct gctgactcac cagtgtttc aactgttcac aggggtcagg caggaagcag  
180atctcttgcc ctccctctga tccaggtcac ttagtccagc ccctgaaagc agtggatgga  
240caaccatgcc accctcttcc ttccaataca ccttattttg tatcctgccc tttttgtgta  
300gcattagatc atgagcattt tctctgcta taaatgtccc ctcaaatatg ttgattcttg  
360tg

362

<210> 2104<211> 375<212> DNA<213> Homo sapien

cgttgctgct ggtcttgga gaaggaagcc tttcctttt ggcagaagtt tcaaattggt  
60cttatttctt gtctcactaa ggcagtaata gcatagtat ggacctggtt gggtagtggg  
120ggacagctga aaaggcagga gttttacttt tgtttgaaaa gagaccacat cacatatagc  
180atctcaccat tcacaaagtg tacatccacc gatactact cactgttaga gccttcgtcc  
240tcctatggca gtagtataag aaaccttcca ccaagtcaga gtgctctaac tgatgccaaa  
300cctaaacctg gaaataaaga ttttcttgga gcagtaagac ttcagactgt tggttgagct  
360attatctcaa ggtag

375

<210> 2105<211> 367<212> DNA<213> Homo sapien

ggcacgaggc cgatggagga ggggaggtct gagcagagtt cggtgtgcag gcgtaatggc  
60cctcgtgccc tatgaggaga ccacggaatt tgggttgca aaattccaca agcctcttgc  
120aactttttcc ttgcaaac acacgatcca gatccggcag gactggagac acctgggagt  
180cgcagcggtg gtttgggatg cgcccatcgt tctttccaca tacctggaga tgggagctgt  
240ggagctcagg ggccgctctg ccgtggagct ggggtgctggc acggggctgg agggcataat  
300ggctgccctg ctgggtgctc atgtgactat cacggatcga acagtagcat tagaatttct  
360taaaten

367

&lt;210&gt; 2106&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

acgggacgag ggctcttgct ggtcccatgt tgctgcccct ccgaggagcc tcgccaggca  
60gcagctgccg cctcatcagg cgagaccccc caccagggtg ggcaaaccga gggcccata  
120ttcggagaca cctccaaatt ggccatgtcc acagacccca gccaaagccca ggtgccagta  
180gggctggacc agtctgaagg ggccctccct cctgctgctg ccagccctga aaggccccc  
240atctgcagcc atggcatgga ccccaaccga ctgggctgcc ccgattgtgc ctgcaagacc  
300caggggccca gcacggggct ggactgacca cagcagggga cctgagccgt gttccccagt  
360ctccatatgc agctn

375

&lt;210&gt; 2107&lt;211&gt; 370&lt;212&gt; DNA&lt;213&gt; Homo sapien

cagggtgtc ggaacactgg agttttgctt agctacctac tcctcgccaa acatgaactg  
60ccctctggca tagagtgtg taatgcgaaa ggaagagaca ttgtcagcct ggctcgagga  
120tggccgcgtt ctgggggaga gagttacctt tggcctaaat ctccctctgt gtctcttgaa  
180gaacttacgg tatcttgctt atactagtgg atgttccttg agctgtgtgg tatgtttcct  
240aattgtgggt atttacaaga aatttcaaat tccctgcatt gttccagagc taaattcaac  
300aataagtgt aattcaacaa atgctgacac gtgtacgcca aaatatgtta cttcaattc  
360aaagaccgtg

370

&lt;210&gt; 2108&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcaggatga tgggcaggac agggagaggc tgacctactt ccagaacctg  
60cctgagtctc tgacttcctt cctggggctg atgaccacgg ccaacaaccc cgatgtgatg  
120attcctgcgt attccaagaa ccgggcctat gccatcttct tcatagcctt cactgtgata  
180ggaagcctgt ttctgatgaa cctgctgaca gccatcatct acagtcagtt ccggggctac  
240ctgatgcacc cgccgaggcc cgagtaccag actccgtttc tgcagagcgc ccagttcctc  
300ttcgccact actactttga ctacctgggg aaccttatcg acctggcaaa cctggtgccc  
360atttgcgtga tctctccacc g

381

&lt;210&gt; 2109&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagct gaagcgcttc ctgcttacca agttgcctcc atatctaatt ttttztatca  
60agagattcac taagaacaac ttctttgttg agaagaatcc aactattgtc aatttcccta  
120ttacaaatgc ggatctgaga gaatacttgt ctgaagaagt acaagcagta cacaagaata  
180ccacctatga cctcattgcc aacatcgtgc atgacggcga gccctccgag ggctcctacc  
240ggatccacgt gcttcatcat gggacaggca aatggatga attacaagac ctccaggatga  
300ctgacatcct tccccagatg atcacactgt cagaggctta cattcagatt tggaagaggc  
360gagataatga tgaaacc

377

&lt;210&gt; 2110&lt;211&gt; 143&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcaagttaca aaagctctgg aaccctgtgg cttcaaatcc tttgggaagg gtgactgttg  
60tttcccctac acacagtga agccggaatg ggaatcgctg aggctctgat ccacttctaa  
120gaacagaagg aaagtgaagg cag

143

&lt;210&gt; 2111&lt;211&gt; 354&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttctgtgc tagaagacaa ccgaattgtt ttggctaaga aacactaatc tagctgaatt  
60ccacacact caaaaatatt ttctacaaa ccccaaatca attgatgtct ccattctaca  
120tggtgtctc caatgtcagg aaactcacta tattccaaaa ttccatttgt tgtcgaagag  
180aatcattata gagagacccc ttcatgtgac ctgcgacctg cgatatttaa ttccatttaa  
240aagacagaca cacagggaaa tatatagctg agagatgctt tcattaatag agaactctgg  
300gaacccttga gtaatcacat tttagcaaac tctagtgaat agaccatttc cctt

354

&lt;210&gt; 2112&lt;211&gt; 332&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaaacgaca gaaggggaga ggagggtgc agatgatgac ttggttttgc  
60ctggattgag tctgggatgg ggatgagaca tcatgtttaa atggtcttat agggagttagg  
120aaagaggcta aaacctcaag agatagagga aattcaagta caggattaag ttgaacaaaa  
180gtgataacca accccacaag gtgattttta ttctgtaacc tcagtgggga aatcttcggt  
240gcagggcagt ggtcctcatt tggggtgatt ttgtctccc aaggacatt tggcaagtc



300tagaaatatt tttggttgtc acaactcggn gg

332

<210> 2113<211> 337<212> DNA<213> Homo sapien

ttttcggctg ccagattacg acagaaggga aacctttaaa gtctttgagt ttcgaaggac  
60aaactttggg atttccctgg ttaaactcaa agtgactgtg tgacagaagg ggtggattag  
120ctatatctt tgctgtattt ttataactaa agctacaatg attaggggaag ttgcaatgtc  
180aatcaatat tctctcattt gtctaccaga aagcagtctt actagaaatg cacatacata  
240agatttttga tttggttcca gttgacactt gatgtgtcaa gtaccaggca gtaaaatgca  
300gatccagtaa catttctttt tcttttgtgg ctgactg

337

<210> 2114<211> 337<212> DNA<213> Homo sapien

tacggtgcga gaagacgaca gaagggataa acaaattttt ttaaataaat gagagatagc  
60taagggtttt taaaaattat tatacttaca ttatgagaag aaggccttta ttgtccttgg  
120aggtatgcat ttccagaccc cttacttaag agtccctgga atgtggttct gcttgacaga  
180gttctgtatt agcacttgga taccagaggc agcaccacaa tcaagctgcc aggccagaga  
240atgtttcctt tccaaactca gctgccctct tgcacttaat ctaattgggt agtgatagaa  
300aagtacagt gttactaaaa cactctttt cctggag

337

<210> 2115<211> 222<212> DNA<213> Homo sapien

ctgaaagttt tgaatttgat taaagttatt catgtcttgt taatctctgc aacatttgta  
60gttgctgtt tctccttttg tctttgaaga attttgcccg attttttcc tagtagttt  
120caaagaacca gctttagct tgagtgtac tgggttttc tagctcatca tcggattttc  
180tgtctctccc cgtccagctg cttaaagtaa tttttaagct ca

222

<210> 2116<211> 462<212> DNA<213> Homo sapien

cgttgctgtc gaggatatgc tgttgggtga ggtggattt aatgttgata caagtatttt  
60ggtctgagcg tttggaagaa agttggcact gagtgaggaa gtcgagttta gtttgttg  
120ttttggatgt gtttaagttt agatgctgat tcttcagaga agtctaagct ggagaactat  
180atagagagtg gaaagataac aatagacatt gaaagccatg atacaggata aggtcatttg  
240gagagaggat agactgcatt ccaacatgag attggttgac aaagagaaac caaccaaggt  
300aattaagagg tgctccact gcacttgtag tcagaaggct gaggttaagat tgttagaggc  
360cagcctgggc accacaggga gaccccatct ctaaaattta gccaggaacc atggctcatg  
420cctgtagccc caggaatttg ggaggctgag tggggaggat cg

462

<210> 2117<211> 454<212> DNA<213> Homo sapien

cattacgtca gcaacgncnn cnngnnnnng atccccatga ctggaattcc gttgctgtcg  
60aaataaatga ctggatggtc gtttctttt aagtttcaaa ttgacattcc agacaagcgg  
120tgctgagcc cgtgcctgtc ttcagatctt cacagcacag ttcctgggaa ggtggagcca  
180ccagcctctc cctgccctag cagatgctaa tccaccgtgc gtcctggcag aggttgaagg  
240gggctcctca agtcccaggc ccagcttggg gtggttcagc tactcgagag acatctgctg  
300ctaattggatg agcagtcaac ctggacgcag gaaatcattt tttatttggg gcaaagaggc  
360agaggaatgg agctcagagc ttttagagaa tatggggccag aaacaggaag gagtacgac  
420ctgataacgg gaaccagcgg acagtgaacg cagt

454

<210> 2118<211> 442<212> DNA<213> Homo sapien

cgttgctgtc ggatttaca aagaatctac ttgactctgt ccctggagtg aaatccttag  
60ggttgaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct  
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct  
180tctcccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga  
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg cgggcctcaa atctttccat  
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttgggnc gcttccccg  
360ctcctccatc accctcagcc ttcacacttc aaagttcaag ttcaaagctg ttcaagttc  
420ctaccagcaa agagccctaa ct

442

<210> 2119<211> 436<212> DNA<213> Homo sapien

cgttgctgtc ggatttaca aagaatctac ttgactctgt ccctggagtg aaatccttag

60ggttggaact tgtgggaaca ttccaacttg ctaagcaggg tccactggga gggaagctct  
120atctgggaac tcacccccag cgcacacaca tctccccag ggtcccaagg ccccgagct  
180tctctccccg accaaacccc aagacctgga tcccaggaga caacagtctc cacagtgaga  
240gcaacattaa gggcaaagcc atggagaaat gtgggagagg ccggcctcaa atctttccat  
300ttaacaaacc ccagtgatgg gtatggacag catgcagggc ttttggggcg cttccccccg  
360ctctctccatc accctcagcc tccacacttc aaagttcaag ttcaaagctg ttcaagtttc  
420ctaccagcaa agagcc

436

&lt;210&gt; 2120&lt;211&gt; 434&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gaaagttatc aagtaaatat gtcctctgtg ttctgtttca tgtgatggag  
60gggggtttcag tctgtgttct tggagccaaa gggttcctca aggggtgctc aagagtaatg  
120gttttaagaaa agagggggcaa tgagaggag cgagggggaa ggcctagttg gtatttgagc  
180agggggcctta agctccatc cccaccccc ttaccctaaa acagcccatt tttcttatgt  
240atattggaat ttcaagtaag ctttcatggg gtgcagtggg gcggggagga atggatggga  
300taaaaaaagt ggagattttg ctgctttaaa aaagttgaga actacttgtg taggttttaa  
360ggattttaat gtatttcatt ttggcaaat caactgccac aaagcagcta tgcataagtg  
420taactgtgca gtgg

434

&lt;210&gt; 2121&lt;211&gt; 434&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcgttnaatt cggcacgagg atgcccaggc caccatggag ctatataagt tggttgaagt  
60cgagtgaggaa gagcacctag cccggaatcc ccctacagac tagtggcagt ggggacgctg  
120gtgatatgag gaggcagagg cagcacccag gagaacacagg gcagtggacc aatggacagc  
180tccaccagct ccacatcttt ggaagctaga tttggggaga gagaagctct accccagact  
240taatacccat tgaaatttca cctcaggtgt tgtgtctgt gtctgggtta gtgtcccatg  
300gaaggggaaa gccttcacgt cagaacccaa ccctatacct tttacttctt anatggtgct  
360aaccacaggt gtcccagggt gctctgtgcc agttaagatt tttacttttc aaggggcagg  
420gcatactggg aaat

434

&lt;210&gt; 2122&lt;211&gt; 431&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctcatgggc tgcctgggac cagcaactcg aatagcatct gatattgggag ccaaaggcag  
60ggctcctgag acagcagggg tgggtgtctc tctatctcac ctaagctact ggctacagcc  
120actgccaacg ggcattgggt gaaaggggac gacgagagcg ctggccttga caggaggggg  
180ttcagcagct ccagcccaga gcaactgggc agcatcgact ccaccaaggc cccccagacc  
240cccaggagtg gagcggccca tctctgcgat tctcaggaaa cgaactgttc caccgtggc  
300cactccaaaa cgccgccaag tggagcagat tctaagacgg tgaagctgaa gtcccctgtc  
360ctgagcaaca ccaccactga gcctgcaagc accatgtctc ctccaccagc caaaaaactg  
420gccctttctg g

431

&lt;210&gt; 2123&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttcttaact tgaaattttc tactagccct ggtgaacttc tgtgcttaaa  
60aaaaaaaaaa aaaaagggga aaatttctact ttaaaaactt ttgttaacag caggggaccc  
120ttgttatttt caggtcccc acccccaaaa aaaggggggg gtttgcctcc tttaaagggg  
180tggaagccc taattttttt taaaaaaca gtgccacac tttcccaaac caaaagggg  
240ggaaagggcg gcccttttga aaaaatgcgg aaccccttta taattttttc aaggggaacc  
300aaaaaaaaattt aaaatgtatt aaaaagtga ccccgcccc tttgaaacct aaaaaaagt  
360tttaatgggtg actttttacc aaagcggggg gcctaaaacc taataacca ccgctttgga  
420agn

423

&lt;210&gt; 2124&lt;211&gt; 170&lt;212&gt; DNA&lt;213&gt; Homo sapien

ngaanganeg cgagaatgca gttccgcggc agaaacctct gtagaggagc aggatgcaac  
60cgacaggctg tggccggaca gctgctgcc agcagatgga gcctgcacgc gcacagttg  
120gccaaagaag ccccatatc cccgggtgaaa aagatggagt cttgctctgt  
170

&lt;210&gt; 2125&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgtc gccctcagct cctgccttc aaacctacct tacagacctg cctggcctgc  
60acctgagcca cctctttctt ccttctatt cccactaagg aggtgtccct gcttcttca

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424

&lt;210&gt; 2126&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

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300cactgagcac ttacatagat taacagttac aagtttccat aaatcagtta gaatatgact  
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420cagg

424

&lt;210&gt; 2127&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

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420ggc

423

&lt;210&gt; 2128&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

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420ttaggc

426

&lt;210&gt; 2129&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cacattcact ctctctgtgg cttttcttcc tctgggcaaa gaagggcttc  
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120ctcctccatc cccacttca ccccatccca taccagttcc atccagggtc tgettaactg  
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424

&lt;210&gt; 2130&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggaccggaca aaccganttt nttgaggagc ccacgcact caattccgtt gctgtcggtc  
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420ccccctgtg

428

&lt;210&gt; 2131&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttctttat gcggagcccg tcgaggtcga attccgttgc tgctgctccc acctcccccc  
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120gaatgcctgc gagaggaagg aacaaagggg ggactcacag attgacacgc tgggctggcg  
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420tttt

424

&lt;210&gt; 2132&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc gtgcagcgt cccgcgagac gctcacctgc gcccaggtg cctggctgct  
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420tactgag

427

&lt;210&gt; 2133&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgagcttttt gcaggacctc gatcgattcg aattcggcac gagctaatta tgagttgatc  
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120attttgtatg tggcaaatga tgaagaagcc agttatctca gatttcgaaa tagtatatgg  
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300attagaaaaa tagctgcctt tgaaaatgag ctgacttttc ttcgctctca gattgcagca  
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420gagcgt

427

&lt;210&gt; 2134&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

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360ttcgttcgga cactgttcag tgctgctcag ctgacggctg aatgtgccat cgtcacctg  
420gtgtacc

427

&lt;210&gt; 2135&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcggcctcct gctctttgtg gatgaagcgg acgccttctc tcggaagcga  
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120ggccagcaca gcaacaagtt catgctgggtc ctggccagca accaaccaga gcagtctcag  
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240cgggagcggc tggtgagaat gtattttgac aagtatgttc ttaagccggc cacagaagga  
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429

&lt;210&gt; 2136&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agggcttaca aaatgtttcg taaatatttt atactgttta agtgtaaac  
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120ggaaaaatgga aaagccattg tataaatttt tttttgaggc ggagtcttgc tctattggcc  
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240gattctgctg cctcagcctc ccgagtagct gggattgcag gtacccatca gcccattgcc  
300agctaatttt gtatttttag tagagatggg gttccaccat gttggccagg ctgggcttga  
360actcctgacc ctgtgatccg accaccttgg cctcccaaag tgctgggatt acagggtg  
417

<210> 2137<211> 417<212> DNA<213> Homo sapien

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120aaaaaaggggc atcgggattt ttttatacaa ccttaaacca ctttttttag ctttaggcgc  
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240agagctgggc aaagtctact ttctctttgc tgacagtctc accttttctc actgggaagc  
300tgacaggag cttttgggct gggtcagccc agaggcccct ggcttctctc cttcctggaa  
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417

<210> 2138<211> 419<212> DNA<213> Homo sapien

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180tttaataaga taacaaactt tttttttttt ttaaaaagat ccccgccag ggtagggggg  
240gggggtttt aaaaaaaaa aaaaaaaccc ccccccttaa aaaaactttt tcttccccgg  
300caaaaaaaaa aaaaaaaaa aacctcctt ttttggaata cggggggggg ggggggggaa  
360ttttttttaa aaaaaaaaa ttgtggggcg cccccctt ttttttttaa agggggggt  
419

<210> 2139<211> 417<212> DNA<213> Homo sapien

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417

<210> 2140<211> 418<212> DNA<213> Homo sapien

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120tcccagcccc atcatcagtt caaggacaca acctgactga agatgcctga catcctgaga  
180gttggcagaa cacaggaggc tattctgaag gagatgcacc atcacagcca cagaaggcac  
240tagaggagggt gtcaatgtca gatccactgg caagccacca aagaccgtca ctcccaggat  
300cctcacagga gcacatggcg cagtgcgaag tgagacgcca gacctatgtt ccaaacagag  
360aacctgtgca tgcactgcct tctcttgcca gccagaaacg tgtggaccag aaacgttg  
418

<210> 2141<211> 421<212> DNA<213> Homo sapien

ggcacgagcg ccactgcact ccagcctggg cgacagagtg agactctgtc tcanaaaaaa  
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120gggggggggg gcctttttta atttaatgaa aagtttggaa agggaaaaac ctttggaaaa  
180gcccaccccg gcccttttcc caaagaatt tgggggtttc aagggaacaa cttctggaaa  
240aattgaccag gaaaaaccgg ataaccccaa ccagtttttt taaaccgggt tttggaacct  
300aaaattttga aaagggaacc ccaggcccat aaacaaaaac cggggccttt aaaaaggaca  
360aaattttcac ccagaaaaag gtccaaccca attccaggct ttctcgaaaa aaaaatttca  
420t  
421

<210> 2142<211> 422<212> DNA<213> Homo sapien

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120gggactcttc agcatcagt gataatagag aacttgaaca gcatattcag acttctgac  
180cagaaaattt tcagtctgaa gaacgatcag actcagatgt gaataatgac aggagtacaa  
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300acaatgctca gatccctttg gctaattggac ttgactctca cagtatcaca agtagtagaa  
360gaacgaacgc aatgaaggg aaaaaagaaa catgggatac agcagaagaa gactctggaa  
420cg

422

&lt;210&gt; 2143&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagaaa taaattgtgg aactgaagtg gattaattca gcacattttt gtgatcctcc  
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120gacccaagag tgcaggtcat gttgtatatg gctctgtctg ttcccatagc ctggagggtat  
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300agggaaaaacc ttctaaagag aaggctgtgc ggtgagcagc agccatgggc ccaagcctcg  
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417

&lt;210&gt; 2144&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccctgagccc ggcgagcagg agaggaggtc ttccgggccg cggcctccga gcgcgcggga  
60tttgcagttg gccttggcag aattgtatga agatgaagtg aagtgc aaat cttccaagtc  
120taatatagacct aaagccacag tcttcaagag cccacggaca ccacctcaac ggttttactc  
180aagtgaacat gaatacagtg gattaaatat agttcgacct tcaactggga aaattgtgaa  
240tgaacttttc aaagaggcaa gggaacatgg gctgtccct ctgaatgaag ccacaagagc  
300ttcaggtgat gataaatcta agtcatttac aggtggagga tacagattgg gtagttcttt  
360ttgtaagcgg tctgaatata tctatggaga aaatcagctg caagatgttc agatttt

417

&lt;210&gt; 2145&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgaattcac cccgaactgc tggccaaaaa gttagttacc aaaggcaagt cggaaacgat  
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120gaaatccaag gctgccaaac cagggacgtc caaaaagtcc aaaccaagg acagcgataa  
180agaaggaaact tcaaatccca cctctgaaga tgggccaggg gatggattca ccattctgtc  
240ttctaagagc cttgttctgg gacagaagct gtccttaacc cagagtgaca tcagccatat  
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419

&lt;210&gt; 2146&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttgagatc ccctcgattc gaattccgtt gctgtcggca acttgaccga agatttagaa  
60gagaatttag aaagcacagt ctatgatgag tataaatttg gcaccaagaa agaccttgaa  
120aatrtagggc tcacccacct cattggatct cctttcctcc gggcatatat gcattgtgtt  
180ttcatggata taagactcta tcacaagggtg aaactgatgg taaatccatt tgcttatgaa  
240gaatatagga aagataaaat acgacagaaa atagaagaaa cacgtgcaca gagagtccag  
300ctaaagaaaa tgccaaaagt taacaaagag ctggcactta aattaatcga tggagaagag  
360gagaagcaga aatctacatg gcaaaagaga gttacaacc ttcctaact tctcaccg

418

&lt;210&gt; 2147&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagga gacaaattaa ggatgaaact cttcaggctg cagttagaga aattttggcc  
60ctaattggct atgtggatcc agtgaaagg agaggaatcc gaattctctc aattgatgtt  
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240ttcatgttgg ggttgtttca tatgcccttg gatgaatgtg aggaacttta tcgaaaatta  
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360gcattntatg acagtcaaac atgggaaaac attcttaagg ataggatggg atctgcactg  
420at

422

&lt;210&gt; 2148&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccgatgct gtcgctgtcg tttaggcttt agtgcnagag cagcagcttg gctcacgtgc  
60aacctccgcc tcttgggtta aagagattct ctcagctcag tctcccaggt agctgggatt  
120acaggcatgt gccaccacac cccgctaatt tttgtatttt tagtagagac ggggtttcac  
180catgttggcc aggtgtgtct caaattcttg atctcaagt atctgtccgc cccggcctcc  
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413

<210> 2149<211> 415<212> DNA<213> Homo sapien

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415

<210> 2150<211> 411<212> DNA<213> Homo sapien

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411

<210> 2151<211> 416<212> DNA<213> Homo sapien

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416

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300aacagctatg agttaagtac ctgcccgtca aaaattttta gaagaagttc taggattatg  
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411

<210> 2153<211> 411<212> DNA<213> Homo sapien

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300tatagcctta gataatgggt tctttgggaa agaccttaaa ataggagtta ctggggaatg  
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411

<210> 2154<211> 415<212> DNA<213> Homo sapien

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120tctgttcttt tatgcagcct aaagatcaag taataatcat tgacactgat actgagcatg  
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240tgttttctgg atgagaagac taacctaaat aagtaggaac cttgaagaat catgttcttc  
300ctaaggaatta caaatcccc gaatccatgt ctaacataat ttctactggc ctctttgctt  
360ctcatgcttt agtaccaggg cttctgaatt tgaaagtctt catgcaaatt gcccc  
411

415

&lt;210&gt; 2155&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgctgaata gccccttctc acgacgtccc gcagcgtttt acagggtcatg catgaaggag  
60tggttgggtt ggcttgagtt ctttcttctc ctcacagttg aaggcacgtt taatgcttgg  
120aggggtgagaa gaagctgcag gaaggtgggtt ggtatattgg aagaaatttt ttgtagtca  
180ttaaaaaatg tagagcatat ctaatgatag agaaaatgtt tattccacag taataagaat  
240ttgcatatac aggggtgatta taatcctgca aaataaaaaa tttattggga taataaaga  
300ctgacaggaa aattttttaa gtgttaacat tggttatgtt tgggttggtg aggctgggtg  
360atttttagaa atttacaaca gagagaagt gtggganaaa gtatacgta gtt

413

&lt;210&gt; 2156&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaagaacatc tattatatcc tatttataaa tcttctctg ggaaaaggag  
60tggtttctgg ctgaatacta tcttaggtc aaggagaaac aaaataaaaa ttagcttcca  
120ggcagcctgt ttttaaagaa atgggactaa tgggagaagc tgtttgtcac tctaagagca  
180tccaagccct ggcccgctctg tgcactcttg gctcctgggg agatatactt gccttctaag  
240aaggcaggcc aggtcttggg cacagacctg catttggtga ccttgcactc caactatagt  
300gccttgcaag tgctcaacag tacatattgg aatgaagtcc ctatgagagc catttctggc  
360catgttctat acctcaaagt gaggtcggca ggtacagaga tgaactgtac acag

414

&lt;210&gt; 2157&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcacgagc accggtctac cccagaactc tatggcatat atgtaattaa tgtgcagtgc  
60caattctgtg agtatgatgt gtgcatggag ccagccaaaa ctctgattga atttcagaac  
120tgggacactc tcttgttttg cattcaggaa ggagtgaataa tgtttttaaa gcaagaaaaa  
180ttatttgttg aattatcagg tgaggatatt aaggaattta gtgaagataa tggttttagt  
240ttatttgatg ctactcttca gaagcgtgtg acttccgatg agaggagcaa tttccaggaa  
300gcattgtaata attttttaga ttcctatgag atgtttaatt tgcagtcaaa agctgtgaaa  
360agaaaaacta ctgcagaaaa cgtaaacaca cagagttcta gggattcaga cgcta

415

&lt;210&gt; 2158&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctatgttga ctgtattgtg ttagaagcac attatcactt cgtcacaatg cccgaccccc  
60accccagtaa ttatccagac gcatggccca cctggcacac aggaatggt agagctggaa  
120tgatgggact cctctcacia atgtattctt ccttctctcc tttcccgacc atcctttgct  
180atgtacatgg ggggtttcta ccaggctccag tagagcacia cacgacttaa ctcaggcctt  
240gaactgtgtt tgggtgtttt tctttgattg aattattctc agaagggtg tgttgccagg  
300ccctgtgggt tgatcatgtg accgccttct tgacaaaatg tctgccgcca tctttattg  
360caggctaatt gaagtgtcaa gaaatctggt ggggacttta agcctacttc ccn

413

&lt;210&gt; 2159&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcagccaa gttcttaggg ttccgtaagc gctgcatccc caggagcctc tgcctcagt  
60agtgtcctct ggagccccc agcctcacc gcctctgtgc cactctgaag gactgccgg  
120gacccctgga actgcaattg tctgtgagt tcttgagtga ccagagcctg gagactctac  
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240ccccgaaaag ccccttctct ctggccaaca ccttaagcct gtgtccacgg gttaaaaagg  
300tgatctcag gtccctgcac catgcaactt tgcacttcag atccaacgag gaggaggaag  
360gcgtgtgctg tgggttcaca ggctgcagcc tcagccagga gcacgtagag tctactc

416

&lt;210&gt; 2160&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ggcctatgcc tctacatcc caggatccat catctgggccc aagcaatacg  
60gttaccctct gtggccaggc atgatagaat ctgatcctga cttaggggaa tattttcttt  
120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag  
180tttctcgtgc atggatccca gtcaacatgc taaagaactt ccaggagctg tccctggagc  
240tatcagtcag ggaacgggtt aacttggttt gtttctggag ccgattcaac ggttctaaca  
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tctgcttag  
360agaaaaagga gaaagaggaa gaggttgaaa aggaggaagg agagaaaaca gc

412

&lt;210&gt; 2161&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien



cggttgctgtc gacagcgggtg gtctcatttc tggaaaatct cttgtgtttg caactatgga  
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120tccaagtcac atagccacta aaactcgact atcagaagaa agtgctcgtt tggaggcagc  
180cacagttacc atactctctg atttaccatc cctttgttca cccgctggat gtagacaat  
240cctgcccaca attctgttct taattgcaag aatattgaaa gacacagcaa taaagtctgc  
300agataatcag gttcctccac cagtcagtgc agctcttcaa gggattaaaa gtattgtgac  
360actttcaatg gccaaaactg aggctggcgt tcaaaaacag tggacagctc tg

412

&lt;210&gt; 2162&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagaa cctgtcccag acctacatgg ccatgtacct cacctactcg ctccacctgc  
60ccaagaagtt catcgcgacc attccccctgg tgatgtacct cagcggcttc ttgtcctcct  
120tcctcatgaa gcccatcaac aagtgcattg ggaggaacat gacctacttc tcaggcctcc  
180tgggtgatcct ggccttttgc gcctgggtgg cgctggcgga gggactgggt gtggccgtgt  
240acgcagcggc tgtgctgctg ggtgctggct gtgccaccat cctcgtcacc tcgctggcca  
300tgacggccga cctcatcgtt cccacacaga acagcggagc gttcgtgtac ggctccatga  
360gcttcttggga taagggtggc aatgggctgg cagtcatggc catccagagc c

411

&lt;210&gt; 2163&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaacagcc tgggtttgag ccacaaagcc tttagtttga accccaaagc cccagatttg  
60agcctgaaag cccggggttt gattcccgaa gccctgggct tgtgccccca agcctgagt  
120ttgcacccag aagccctgaa tcagattctc agagccctga gtttgaatcc cagagcccta  
180ggtatgaacc ccaaagccct ggctatgaac ctccggagccc cgggtatgaa ccccgagcc  
240ctggctatga atctgagagc tctagatatg aatcccagaa cactgagctc aaaacccaaa  
300gcccagaatt tgaagctcaa agttccaaat tccaggaagg tgcggagatg cttctgaacc  
360ccgaggaaaa gagtcccttg aatatctcgg taggagttca cccctggac tcctt

415

&lt;210&gt; 2164&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcacgagaa aaagtgttac cacttcagca tcaggaagtg aaaatcttac tcttattcaa  
60caggaagtgg atgcttttga agaattaagc aggcagcttt ttctggaaac agctgatcta  
120tatgctacca aggagagaat agaatactcc aaaaccttca aggggaaata ttttaatttt  
180cttggttact ttttctctat ttactgtgtt tggaaaattt tcatggctac catcaatatt  
240gttttttgatc gagttgggaa aacggatcct gtcacaagag gcattgagat cactgtgaat  
300tatctgggaa tccaatttga tgtgaagttt tgggtcccaac acatttcctt cattcttgtt  
360ggaataatca tcgtcacatc catcagagga ttgctgatca ctcttaccac gt

412

&lt;210&gt; 2165&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagga gatgtgatgt atgctttata aggtcatca gccatgcgag agcagcagatg  
60gtggcccagg ccccgactgt aggagctgaa agacaggcga ccacaccaca ttacaggagg  
120gtgagaggaa cggatgcgga gaggttctga acttgtaggt caaaatgtga aattcgaaag  
180aatacccaaa aaacctaaga aaatttttga aaggaaaata gatttattat taagcacatg  
240aaaagatgcc caacatcagt agccatcagg gagatgccaa tcaaaaccac aatgagatac  
300cacctcacac ctggggctgt cagaaaaaag gcagtaacaa gtattcgcaa ggatgtggag  
360acactggaac tcttcacac tgttgatggg aatgtaaaat ggngcag

407

&lt;210&gt; 2166&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccagat cacatgtatg atttattttt aatatttgat aggaactagg tttcagtga  
60atgatttgaa agcatagcag gatgtggctt tttaaattta tgaaactttc gaacagtagc  
120aactgaaatt tgtcactttt ctgttacgca gagaatcaga ccttttgata atatttggga  
180gggtaaaaga aatatgccaa atatgaaact tttttgtcag cactacatac atcttttttt  
240tgccggggggc ggggggggaca gagtctcact gtgtcactca gactggagta cagtgtgagc  
300atctcggctc actgcaacct ccgctcctg ggttcaagcg attctcctgc ttcagcctcc  
360tgagttagctg ggattacagg tgcacaccac cagcccggc taatn

405

&lt;210&gt; 2167&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ncttctaatt ccgcacgagg agagagagag agttagagtt tgagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agtgcgagag ttagacccag

120agagagaggg ggtgtttgct cttgattgcc ccgccccctc cctctctttg ggattttttt  
180ttttcttttt tttccgagct cttgactttt tttttctgtg tgccgcccc tttatcgttt  
240tctctttttt tactctttac cttttttttt ttttctgccc gcacactttt tttttatccc  
300ttttttttct ctccctccct ttttgggtgc ctctcttttt ttatttatat atttgtgtgc  
360acgattttgt gcgcgttttt tttttttttt tttgtcctct ctctctgt

408

&lt;210&gt; 2168&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg ggcgtagcag aggaggatag gtagagaagt accattttta ttatttgtga  
60cttgtggctt ccttcctcct ctccctctcc ctccacgtct ctctttgccc ccttttagaca  
120gaaggtgcag aaaagggcat caaaaagagg ctggattttt taaaaggcag ctttccaact  
180ttgcacacaa acaggtaaca ggaaggtaca gcaaaaatcc tctcatctga aacactgtca  
240gcagaaacaa aacctgtaaa atgactaat cagctgcaca tattgatgct ctctgcaagt  
300tacctttaag tgtttttttt cttatacttg aagttgcttt tacgatatta ttttgggtggc  
360tttcttttct ctctttgatg ggcaatagag gaagtagata atgggatt

408

&lt;210&gt; 2169&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagct cagnannccct ctttcaactc tagtttttga ggtggggaca caggaggtcc  
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa  
120aaagtgtctca aacacaccag agggggcagg caccagccag ggtatgatgg ctactacctt  
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct  
240gaaggaagcc aagaggatca ctgctgctcc ttttttctag aggaaatgtt tgtctacgtg  
300gtaagatatg acctagccct tttaggttaag cgaactggta tgttagtaac gtgtacaaag  
360ttaaggttct tgtgggtttac ccatctgaaa tatgtttcca tcaca

405

&lt;210&gt; 2170&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcattttt atgtacacat gtctattcag actttatcct catgatttca  
60gaaaaaatat agagaggggtc ctgactgtct taatagagga aagaagtatc ctggaaagct  
120tgtaagaac gttctagagc cacaacatga ttgtaggcca agggcttgtt tttgtgacct  
180tgatctaaga taatgccatg gttgattgta tgttgaaga atctttgatt ggaatttgga  
240gtaatatata ggtagtttgc cttttctgca gacattttta ggagtctttt tgtgtgagtg  
300gtggtggagt gtatagtttt gttgaaccta gctaaattct gaatatcttt ccactaaaag  
360cacaacaaat ctattttacag tgcctgaagc ctgggagagc cacatgat

408

&lt;210&gt; 2171&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagag tacttttgat aataattcac tctgtgcgat attcctgaat aagtcctatc  
60caaaagtgtg ggattttcct cctcttaact ttcttaatat ttggacatgc cgctgtcgcc  
120aaacttgggt attcatggaa tttctagtaa atgaaatacc tatactttga tactgaagac  
180tgccaaatac ataggaattt tctttcttaa aaaacagtaa tgaagactat atctcctttc  
240ccagcactga atgttttact agcactgggt gctcaccatg caactgaaga aaatgtggaa  
300actcaaaagg tcaggacaga cttccaagca cttgcaactg atgttactgt cttcaatttt  
360aataattaca catatttgta tatttcacag aagcttttaa tatttc

406

&lt;210&gt; 2172&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagct caggtctcct acactggccc cattttactt tggggccaa ggacaggatg  
60gtcaacaggg caggggtggac agcgtgccag cgccgcgcag ggccacctcc ctgggtggat  
120gcatcacact aaggaagtga gtgccaaagg gatttagtgg tgtggttctt tcaaaggag  
180gtcaggggtca atgggaatct gtcggacac tcaacatggg ggtgggtgca ctcttggag  
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300ttcccggcag gaggtggaca ccagccaga ggcttggtc aaggtgacct caccttacc  
360atgggcttcc tgggtgcgcg ggcttgagcg caggttgttt tgtac

405

&lt;210&gt; 2173&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctggc gctttcattg taaaaataat atgtactttg caccacttaa aaaaaaaaaa  
60agaaaaaaaa tcttgggggc ggttttctcc gatattccgc acttgttaga aaccttgggt  
120gtgttggggc aacccccgcg tgaagggcgg ggaaaaaaag gctttttttg gaaaattggg  
180ggggctgtgg ctttttttga accattgta aggggcataa agcaggttac caccacctg

240ggcattcttt tttggttaca gggttcggggg gggggggggg aaggtttcaa nattgcctac  
300gggagaaaaa aagaaaaacc tcagcttgca aatttttgtt cagagatggg atcgttcttt  
360gtcgttgagg ggatttacat taaaaaaatt cacgagatat tgctcatgg

409

&lt;210&gt; 2174&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggttgcca ggcccgttct gcagggctgt tgtgtagact gcagacatcc  
60gtacctcacc acagaccaca gatgacctcg tgtcatactg tgggctgatg agaggtagag  
120catcatgcat cgaggcctga ggggtgcagg cgccctctct tggcctggag gaattgctcc  
180taactagagt aagtttacac gaggttccca ggcaagctg cagagctgga accggaggct  
240ccacagtcct tgcctgctca tggacctcct tcagagcacc ttctacaga ctggactgcc  
300cagctccgtg ggggtggcatc tggtttctgg tgctattctg ccaagttatc gagctcctcc  
360tcatgtttca acattccatc ttcccgttcc taccctcgac tccaaagtag

410

&lt;210&gt; 2175&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggggctgcc cagcacctgt catcctgctg ggatcagggt ttcttagtgc  
60ttgagaagac tcaagagggc ctgtcccatg ccattgttgg ccttaagagc aagtgattcc  
120agaagaggag tgggcaccac tctcatccag aggcccgctc tgagaggcaa gtgaggctgt  
180gctctgtgcc tgggctcccc cagggtggac ctgtcgggtc gtggacctgg ttgaggcaag  
240gatgccatc tggacatgga gccgacacag gtagtcaggg ggccagcggg acgcttacca  
300acagctgtct tttccccacc tcagaatagc attcctttcg aacaccacgg caagtagctg  
360ctcgtctccc atcggagggc agcactggat tcctggtcgg gtggcttn

408

&lt;210&gt; 2176&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aagttatttc acttctcttg ctctgtgtac tcagttgtga aacagcgata  
60atgtgtaact cagttttgac ttaaagatta aatgatataa tgttttaaag tgcttagcac  
120tgtatgagtc atagtattca atagtggtt gctgatgttg ctattatagc attaaacttt  
180cagagatgaa ggtagaggcc agacatctta ttcaaatat cattgtaact ttaaaaatcc  
240cagtaaatgt tgcctgttcg gtatacagtc aaaatctccc aaaacaaatc cacaaaacag  
300aagtgtaggg tgggacacag gtgcatctgg tgtttcgtaa gtatgagctt agatatggag  
360tgtggtagaa aaagaatgaa gagaggataa tggaggaagg gaaaaa

406

&lt;210&gt; 2177&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ggggaagaaa gcacaaagca acccgtacta taatgggtccc catcttaatt  
60tgaaagcgtt tgagaatctt ttaggacaag cactgacgaa ggcactcgaa gactccagct  
120tcctgaaaag aagtggcagg gacagtggct acggtgacat ctggtgtcct gaactggag  
180aattttcttg tcttccaagg caccataaga gagaagattc ctttgaaagc ttggactctt  
240tgggctcgag gtcattgaca agctgctcct ctgatatac gttgagaggg gggcgtgaag  
300gttttgaaag tgacacagat tcggaattta cattcaagat gcaggattat aataaagatg  
360atatgtcgta tcgaaggatt tcggtgtgtg agccaaagac tgcgtt

406

&lt;210&gt; 2178&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggacttgga cctctgtgt cctggggccc ctgcccagct ggctggggcca  
60cctgctgtgc tggcttcac ggcgggcccc aagacggagc tccaggcccc tatacaggga  
120gtgcatccc acggcagtgg gcagtcctgt ccgcgagcc cggcccttag tctgagtgg  
180gtgacctct aactgtggac gccatgtcc atcctcctgg tgggtggcgg cggggcgagg  
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300accctgggtg attggggaat gctgtcagcc ccgcagcccc tgtggccata tctggggccc  
360gagcttgtgc tgggtgcctgc tggagactgg ctgggttaag gctgccn

407

&lt;210&gt; 2179&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggttgaggc ccctggagg caaggccacc ctgtgtgggg tccctgttgg  
60cagccaggtc cctacacaaa caagtaatcc tgtttggcct cctaggtttt gcatatgacc  
120tgagcctaa tttgggtgt aggggaagct ctgctggccc ttgctccttt gtatgttggg  
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300aaagaagagt ttgcctaaca tggctcctaa gaagcttggg atttataaga ctttccttta

360taagatatag tgggggtttt tttgggtgga ggggggtttg tttng  
405  
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409  
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120gagagaggtt tttttccccc cttgtgagag agcctctgtc tctctccccc cccccctct  
180ctcttgtggg gctcgcactg tgtcaccccc cccccctct tttttttttt tcccccccc  
240cacacacact atctctcccc acagagagtc gcgcgcgctc tctctagggc tctctctctt  
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408  
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60ctgtcgccgt ggattgttat tttgtgtcac taagtaatcc ataaagcgcc aacatgggaa  
120agaaacggac aaagggaaaa actgttccaa tcgatgattc ctctgaaact ttagaacctg  
180tgtgcagaca cattagaaaa ggattggaac aaggtaat ttagaagctg  
240tggaatggaa tatctgccaa gactgtaaga ctgacaataa agcgaagat aaagctgaag  
300aagaaacaga agaaaagcct tcagtttggc tgtgtcttaa atgtggccat cacggctgtg  
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406  
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240caaccgggga gctgctgctg cccaactggc aaggtattgg cttccacggg ctgatcctg  
300cccagagggga cgacggcgctc tttgtgcacg aggtgacgca gaactcccc gcgccccga  
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409  
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240tctccaaaagc agccggtgag tggctactac cgtggcgctg tcggtggcac gtttgaccgc  
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407  
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120cgttttaggtg gagaaggtgg aaaaggtggt gatgtctggg ttgtagccca caacagaatg  
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240aacagcaaaa ttagtgact gaaaggctcc aaaggaaaag actgggaaat ccctgtgcct  
300gtgggtatatt cagtaactga tgaatatggt aaaattatag gagaactcag taaagaaaat  
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408

<210> 2186<211> 406<212> DNA<213> Homo sapien

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120ttacttccca tcttgattcc ctgccgtcta agtaccatgt gacgtttttt ggagaaacag  
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240tatcagtcac ggaacgggtt aacttggttg ttttctggag ccgattcaac ggatctaaca  
300gtaatgggga aagaaaagac ttacagctct ctggtttgaa cagcccagga tcctgcttag  
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406

<210> 2187<211> 410<212> DNA<213> Homo sapien

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120cttccagac agacaccgc atctacctcc tagcctattg gtctctgctg gccaccttgg  
180cctgacctgg ggtgctgtac cagaatgcca agcgggtcatc ttccgagtcc aagaagcacc  
240aggccccac catcgcccga aagtatttcc acctcattgt ggtagccacc tacatcccag  
300gtatcatctt tgaccggcca ctgctctatg tagccgccac tgtatgcctg gcggtcttca  
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410

<210> 2188<211> 405<212> DNA<213> Homo sapien

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60gacattataa aaaataagaa gctaattctg gactttgtac tgaagcagga catgccatta  
120ctaggggctg agaagagaaa gaggacaacg gtaccgcaat atggtgatgt agatgatgag  
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240caagctgctg cagagagatt tgcacgggtga tttgggagaa cagatttcaa agtagcact  
300ggttggcttt ttacatttgc aaatcggcat gcaattggga accgaaaagg atgtggggaa  
360caagtcctaa gttcagtttc tgagaatgtt gagccatttc gacag  
405

<210> 2189<211> 406<212> DNA<213> Homo sapien

cgttgctgtc ggcaacttgt acggatttgc ctttttacgt agacgggctt tacagttaga  
60agagcttaca ttatgtaagg acacacctga taatgctcgg accctcaatg aactgggtgt  
120tctctactat cttcaaaata acctggactc tatgcaatga aaagaaacag tatgataaag  
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240cttcttttggc atatacgng aagcatcttg ccatcttgta taagaaaatg gggaaacttg  
300acaaagctgt acctttgtat gaattggctg ttgaaattcg acagaaatct tttggcccaa  
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406

<210> 2190<211> 399<212> DNA<213> Homo sapien

cgctgctgtc ggcacttaga ttttggagac atcaagcaga tgttttcaaa aatgattgtg  
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240ggcacaaggg ctgtgtggaa gtagggttg tctccatgga tgacgtccag aaggatgtca  
300tgaggaggaa tatcacacgt gttatacaca ttggagggaa cagagactgg cacaggacct  
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399

<210> 2191<211> 404<212> DNA<213> Homo sapien

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120cctgcacctg tctctcctaa tagaatggca tctctcaat acagtttttt ttttatggct  
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240aaagtgaata aatcttttaa aaaggaataa tggcttcac catgtccata tggaaatcat  
300agccagtaag gaaatgaatt tctggactaa ttcatataaa acaaaggggc aagtttagtg  
360gtggagatat tggaaatttt tataggcatt tggtagagca caan  
404

<210> 2192<211> 403<212> DNA<213> Homo sapien

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60gagagagaga gagagagaga gagagagaga gagagagtgt gtgtgtgtga gagagagaga  
120gagagtttct ctctctctgt ggtatatata tacacccact ctctcttctt tctctctaga  
180cacacaaagc ggctctctcg cgggttttac ccacgctctc tccccccag aatatactgc  
240gcgctttccc ctctctgtta tatccgcgcg cgcgcgcacg tgggatatat tctctctctc  
300tctctcgcg cgacacaca tatccgcgt ggttttctct ctctctctct cttcccgta  
360gagagagagt gtgtctctat tttctctctc ttgcgcacgt tcc

403

&lt;210&gt; 2193&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcaagaga ggatttcagg aaaccttgta tgtgtggaat gaacctaaat ggtgcattaa  
60aggaatttct ttgcctgaga aaaagttggc aacctgtgaa acggttgact tttggctgaa  
120ggtgggagcc ggtgtgggag cttttactgc cgttttgctg gtggctctga cctgctactt  
180ctggaaaaag aatcaaaaac tggaaatacaa atattccaag ttagtaatga cgactaactc  
240aaaagagtgt gaactcccgg ctgcagacag ttgtgctatc atggaaggag aagataatga  
300agaggaagtt gtatattcca ataaacagtc actactagga aaactcaaat ctttggcaac  
360caaggaaaaa gaagaccatt ttgaatctgt tcaactgaaa accn

404

&lt;210&gt; 2194&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagct attttttgg tgtgggtgga tggggggaga tgctaaaata ttgctgctag  
60gatccagaaa taccacactg tttcatatat tggaaactgt tattggctag ccttatgcca  
120gcctgccact gtcaatatat tctgttcccc ttggttacaa gcttaataata ctcttgtgtt  
180tttggcgaaa tgagcttttt atcctattgt aatattttca attgataata gatgtcatta  
240aatctactgc ttgtatagag acaggtgtac ccaaatttac tcttgacctt tttataaagc  
300caggtaatgg agtctgttcc tttgcatctc aggaagggaat tgactttgct ttatgtatca  
360gacctcatca attgcacct ctccatcatg ccttattttc c

401

&lt;210&gt; 2195&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg agtgcagtgt tgcaatctcc acctctgggg ctcaagcaat tgttgtgctt  
60gagcctcccg aatagctggg actacaggca cagccacta cgcccagcta gttttttgta  
120tttttagtaga aacagggttt caccgtgttg ccagggtgg tctcgaattc ctgaactcag  
180gagatcctcc cgtctcagcc tcccaagggtg ctgggattac aggcgtgagc cactgcgccc  
240agcctattca taattcttta tagggcttat taccaaagaa cagaaggctt tttaaaagtc  
300atctattgtt tagtgattat taaaaataag tcttctgatg aggattacat gtatctaact  
360actgtaaaat agatttcatg tcagggtac ataactag

398

&lt;210&gt; 2196&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg tgagtgcgt gcactgacct tttccaagc ctcagttcct gttctaggaa  
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120gtgtgttggc aggtaccgg taagaatggt tgggtgcagc agggacgggg ccctctgaga  
180cccatctcac aaagatgagt ggtgaaaatc tgatcacttg ctgcagccct ttagttttt  
240attaagccga tgcttgagta gctttaatag ctattagcta tgttagtaga ctgagatctt  
300ctgttagaag tcttttagttc tgttttcctt gggggactaa gaaattatat tgcaggcctg  
360aattacagga aggggagaac caatggctag ggaatgagag ccn

404

&lt;210&gt; 2197&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggccatggt gtgacaaact ctgaatacca gaggacaaa agggagagga  
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120acccttgct tctcttctg ccaggctgcc cttttcttgg gctgggggt gttgttctcc  
180ttggtcagca ttccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggc  
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagtaa gtccccacac  
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga  
360tacttaaaat ggaataactt tttggttga aaacagaga

399

&lt;210&gt; 2198&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagaattc gcggtgcag gagaaantct ttttattttg atctgttttt  
60ttgttttttt tttttttttt tttttttttt tttattagg ggggcccagc gcgtcctaaa  
120aggggaccca ccccccccc aaaaatcccc ccgcgaaaa aaaaaccccc ccccctacgc

180ccccccgtaa aaggacgcat acctcacgaa ccggggggggg gggggggccc ttttctcttt  
240tttataaaagg ggggaaaaaa accccccccc cccggggaaa gaaccccccc cccaaaacct  
300tttgaacccg gggggggccc caccggatta attcctcccc ggggggcttg ccttttcccc  
360aaaagggggg ggaaaaagag ggcgcccccc cgaggggat  
399

<210> 2199<211> 402<212> DNA<213> Homo sapien

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120tcatcatcat ctttccactc aaaatcctat tattctacat ttcactttgc aggggtccta  
180gggacaggat tgcagggaca ggggacatgg gaggaagaca gaaaaattca aaaccagcag  
240atgccactac ctggcaatga attgaaaatt aggggaaagc atctttggcg tgacctttta  
300ttaagacaac agaaatttag aacattttac atgcttcttt gttaaagggt gaagcaaggg  
360aatgaaagta tttattttta gagctcatag ttaactccat cn  
402

<210> 2200<211> 398<212> DNA<213> Homo sapien

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120agccttggtt tcagtggat atgtcaaaga aagtgatgga ctagaaatga cagatgtgga  
180atgaagcaat ttgtacgtat taccaaagaa accaaaaact gcctttgact aaggggggtg  
240ttgaaagaga acttaacctt attaggaaac cctgacaaaa tgatggaaga ctattgcctt  
300attttgcact atttgtgaat catcttacac tgcatttttt tatgatgctt attcaaaagg  
360cagttgcttt agggtgaaaa agccttccaa gattcaan  
398

<210> 2201<211> 401<212> DNA<213> Homo sapien

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60cggaaacaaag cagcatgata aggactgcag cgggggagct ctggggagca gcttgtgtag  
120acaagcgcgt gctcgctgag ccctgcaagg cagaaatgac agtgcaagga ggaaatgcag  
180ggaaactccc gaggtccaga gccccacctc ctaacaccat ggattcaaag tgctcaggga  
240atttgccctc ccttgcccca ttcctggcca gtttcacaat ctatgctgac agagcatgag  
300gccctgctt cttctgtcat tgttcaaagg tgggaagaga gcctggaaaa gaaccaggcc  
360tggaaaaagaa ccagaaggag gctgggcaga accagaacaa n  
401

<210> 2202<211> 404<212> DNA<213> Homo sapien

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60acatatagat accaagcaaa attataagaa acctataagg tgttcaatac gcttgtgttt  
120ccaaaattca ctgtacatga tcagtttggg gttcttgtag cacagttttt aactgaagga  
180accagttgta acagtctcaa ttttaactaa aacttgaaga actaaaacaa caatgcaaac  
240ctttcagcat tgtttggcca aacttggttaa aactgtaatg caagaaccaa atgcaactgtg  
300atgtggcacc aactaattag caagcatgaa tttttcacc aagagtga aaaggaaaat  
360ctaccatggc ttgaagttaa agagcagaac tctgactac catt  
404

<210> 2203<211> 404<212> DNA<213> Homo sapien

cgctgctgtc ggtaatacca ggtgcctgtc ctactgtgt gagtggttct ctgccagac  
60atgaggaggg atcctattgt ttcccatagc taggcagcct aagagagtag gggaaagagc  
120tggctccaga tgaaaagggc accatctcca gctcttgga gcagagaggg tggctctttg  
180gattccagat ggcagcagca accaacctgg cccttagtag tttctaagtt acaccatgtt  
240aatggataaa ggaattactc agcttgaagg gatctgggtc ctttactctg gcctgatgtg  
300tggggagaaa ggggcaaaaa agtttacgat ttggagttaa catcgaaatt tctgctttgt  
360tggtcagggg ttacagcatt aatggacagg ttcacctga ccta  
404

<210> 2204<211> 401<212> DNA<213> Homo sapien

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60gtttctgtct accctgaaga ctgctggatc agttagttag acaaattcca agaagctggc  
120ttggatgtca aattggctct gggctcatag agaggaatgg atttgttggc ctgaaaagga  
180gcgataactc tagtttttaa acatttgtt tagttcagat aattactgcc cttattcatt  
240gtgtccacct gagtcaaaaa gcattgctgc tgttgcttg tctaaggag gaggaccag

300gcatgtaacg gactgcatgc tggccagttg tgggtggtcag agcaagctgg aggccagcga  
360ggcccttcag ggggtcttttc aagggtctgc cttggggagc g

401

<210> 2205<211> 402<212> DNA<213> Homo sapien

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120atcactcagg ttttaaattg ctgtgtaate tgcgactatg ctctcccctg ataccatttt  
180cagagagaca caaagccttc gtgcttttcc ttgtctctgc cacttggtgcc atctttcaga  
240ttacatttag agtttgctgc tccttctctg gaattattgt tgcagcgctt cccggataga  
300tactctgagt atagatgtgc acctttccat ctctttgtca cctaatacag ctcagtttcc  
360tgagtctgga ttgtatcctc caatccaggg ttctcagact tt

402

<210> 2206<211> 402<212> DNA<213> Homo sapien

ggcacgagga aaggcaggag gtggcggctg ggcacccgac ccccgcgggc cctgcccgca  
60ctcctggggc tcagccaggg cgaatggcgc tactcatccc aagaagttgt cctaggtccc  
120agacagcttt cagggtccct tgcggaggag gtggtgggac cacagacaca tggagagaat  
180ctggaactgt tctggtttct gaacttttcc cgcacaggac cccagaccct ctgagtcac  
240cccgcaggct taaccgagact cggggagagt tagtgccgag gccagacact agtgcttttc  
300aagaattttg gttaccaggg ctttcccgag ccgagtgggg tgcggctctg ttcccagca  
360cccccttttc gccggccagg ccgactccgc gttactgtcc cc

402

<210> 2207<211> 400<212> DNA<213> Homo sapien

tctggggcca cctgcaagcc ccattccatt cctacagatc tctcagccac ctgtaagtcc  
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120gtctccactg ctctactctt ggggttgggt tcaggaagac aggcacagtc ctctctgttc  
180atagaaacac ctgccagtgt caaggattcc agtcagggtg ctatcccaac tggtcaggga  
240gagaagggca gacccattct caaagaccac catgtccaag gtctgacagc tccccactgg  
300ctgccccac aggggcttta ggctggtctg ggtcatgggg aagcgtccct cttatcgtg  
360gtctgtgttc tcctggattt gytatctatg ttggtacgaa

400

<210> 2208<211> 400<212> DNA<213> Homo sapien

ggcacgagac aggaagccct gaaggttcaa aagaaatata aaagcaaagg ctattttctt  
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120ttttcttttt taaaagcagc cggctctcgc ggggcgggtt ggggggggcg ccgcccaggg  
180gaggtcgtct cgcctccgcg gcgcggtag actggacttg aacactaagt cttcaatagc  
240tgagattctc catcttaatc tacttgagg caagagcaga tgggttggtt cattatggat  
300ggaggggatg atggtaacct tattatcaaa aagaggtttg tgtctgaggc aaaactagat  
360gaacggccca aaaggaggca agaagaatgg gagaaagttt

400

<210> 2209<211> 398<212> DNA<213> Homo sapien

cgttgctgc gcatatgtgt ccatcaatag agaacttgct aatgattta tactacctt  
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120gaacaatccc catggtgggg ggaaaagtaa ggtgcagaac tgtatcatag atgttctctc  
180tctctctctt tttttttgga aagcacatgt atgcttttat atacacagaa aaattctaga  
240atggcaaaaca agatatcttt gcaatagttt ttttctggga ggggactcat ttaaaaaaat  
300tctcccatat tgcttggttt gttttgttaa agacatccat gtattcctac ttggggttaag  
360ccatgataac taaatatgat taaagttcag aacaataa

398

<210> 2210<211> 400<212> DNA<213> Homo sapien

nnnacgagag actatgtgcc ttataccctt cgcattgtgt ccagtcggcc gagagaacat  
60ggtgttggga aaagaaagag cagctacaca ttggaatagt tggaaacagg gtttggtcag  
120ggagggaagg atgtcagcc ctgccagcct gtacttatta acagtagagg cttgtaccaa  
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240agtcaggatc tccatggcta tccaacagat caagaattgg atgaaatacc tggcacaag  
300agaacattag caataaaaca agagtcttct gatgaagcac agagaagaga catcatgcag  
360aagattgtac agatttttga atcgggtacg atgaaatggg



400

&lt;210&gt; 2211&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg actatcttga tgatgtcgtc tcattatcag tgcttaggta cttttgatta  
60cctgtgtttc agtattaggg acactttagt acttcagatc ctgcaaatat ttttgcagat  
120gaagtatgta tgcattgtac taagttaaac ttagaaacag aacctcattc agttattata  
180atggattttt gcaaaactact gcaaatagca aatcaatgcc aatgttaaac aaagaggaaa  
240acgctgtgtg gactttgttc tcttgaccg gtatttcagg aacatctgct tgccatcccc  
300acagctcttt aaaactggct attatgtgtg cctttcattc ttacatttct aatcatactg  
360caggaaaaaac attggattca gcttagactg aagaaaa

398

&lt;210&gt; 2212&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc gcgaaaccgc ttgagcatcc tcctgtgaaa aggaatgaag aggctcaagt  
60gcatgacaag cttaactctg gaatggtttc caacatggaa ggcacagcag ggggagagag  
120accttctgtg gtaaacgggg actctggaaa gtcagggtgt gtgggtgac cccgtgagcc  
180attaagctgc ctgcaggagg gctctggctg ccaccaaca acagagagct ttgagaaaag  
240cgtgcgagag gatgcctcac ctctgcccc tgtctgttgc tgcaacaag atgctctcat  
300cctccagcgt ggccttcac atgaagacgg cagccagcac atcggcctcc tgcacccctg  
360ggacagaggg cctgaccatg agtacgtgct ggtcgaggg

399

&lt;210&gt; 2213&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttaaatagt atatttccag ggatagggtg tcctgttcct cgaattccag  
60ctgaggccaa tccttttagca gatcatgtct ctgctactcg aatcttgtgt ggagcccttg  
120tctttcctac tattgtaca atagttggta aattgatgtt cagtagtgtt aactctaatt  
180tacaaggac aatcttgggt ggaattgcgt ttgttgccat aaaaggagca tttaaagttt  
240acttcaaca gcagcaatat ttacgacagg cacaccgcaa aattctgaat tatccagaac  
300aagaagaagc gcaaaaactga cttctgggtg tctcgagtt ctctcatcct tatgaatctg  
360ttgtgttgtt ttgattccat cattaatgca cttgtgga

398

&lt;210&gt; 2214&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagagccac cagctggaat ctgcatgtta ggtggccttt ctctgcagga  
60ggtgacctcc ttggctatgg aggaatccca agaagcaaaa tcattgcacc agccccctgg  
120gatttgcaca gacagaacat ctgacccaaa tgtgctacac agtggggagg aagggaacac  
180acagtaccta aagggccagc tccccctcct ctctcagtc cagatcgagg gccaccccat  
240gtccctccct ttgcaacctc ctcccggtcc atgttcccc tcggaccaag gtccaagtcc  
300ctggggcctg ctggagtcct ttgtgtgtcc caaggatgaa gccaagagcc cagccccga  
360gacctcagac ctggagcagc ccacagaact ggattctctt ttcn

404

&lt;210&gt; 2215&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

gacggtgggg aagatggcgt accagagctt gcggtggag tacctgcaga tcccaccggt  
60cagccgcgcc tacaccactg cctgcgtcct caccaccgcc gccgtggtga gcagctgcag  
120tgccaccttc tcattatctg ggctggatat gactgggtct tcaggaaact ggggtttggg  
180cctccgggag gccagaggg gctggtcccg gggatgggtg gaggcgtaca gggattactc  
240tggggttcga gttggcgcca agaattgctta tccagtgcag cgagaaggga gtgctgttc  
300atggggggtc agcagttgga attgatcaca ccttttcagg tgtacttcaa tctgaatta  
360atcttttaaac actctcacat atggagatta atcaccaact tctc

404

&lt;210&gt; 2216&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggaggccaa gagcaccatt tggctgcacc ccgtcaccgg cgaggcggtg  
60gtcaccggac accggcgga gagcacagat ttgcctactg gctgggaaga agcatatact  
120tttgaaggtg caagatacta tataaaccat aatgaaagga aagtgcctg caaacatcca  
180gtcacaggac aaccatcaca ggacaattgt attttttag tgaaatgaaca gactgttgca  
240accatgacat ctgaagaaaa gaaggaacgg ccaataagta tgataaatga agcttctaac  
300tataacgtga cttcagatta tgcagtgcac ccaatgagcc ctgtaggcag aacttcacga  
360gtttcaaaaa aagttcataa ttttgaaag aggtcaaatt c

401

&lt;210&gt; 2217&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctgatggg atatattcag tcatggcgtc cgaactttcc agaaaacctt gctcagaagc  
60ttccaaacct tgtggaacta tacctgcact caaataacat agttgtggtt ccggaagcca  
120ttgggtctct tgtaaaactc caatgtctgg atcttagtga caatgcctta gaaattgttt  
180gcccagaaat tggctgtctg agagctttac gtcactctcg attagctaata aaccaactgc  
240aatccctacc tccagtagct cactgtggac cgaaatcgtc tatgggtatgt gccgcgccat  
300ctctgccagc tgcccagcct caatgagctc tccatggctg gaaaccgtct tgcatttttg  
360ccacttgatt taggtcgatc tcgagaacta cagtatgtat n

401

&lt;210&gt; 2218&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cactgtgctc ctgttctggc ttgtgctttt tcccatgatg ggcagatgct  
60agtctcaggg tcagtggata agtctgtcat agtatatgat actaatactg agaataact  
120tcacacattg actcagcaca ccaggtatgt cacaacttgt gcttttgcac ctaataacctt  
180tttactttgt actggttcaa tggacaaaac agtgaacatc tggcaatttg acctggaaac  
240actttgccaa gcaaggagca cagaacatca gctgaagcaa tttaccgaag attggtcaga  
300ggaggatgtc tcaacatggc tttgtgcaca agatttaaaa gatcttggtg gtattttcaa  
360gatgaataac attgatggaa aagaactgtt gaatcttac

399

&lt;210&gt; 2219&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat gcattgttgg tgttttggga tgcaaggatg aattctcaga atttatctac  
60aactaaagac tcaattggtg catattcaga gacacatagt gatgatgtca ctcaagtacg  
120tttccatccc agcaatccca acatggtagt ctcaaggttca tctgatggcc tggtaaatgt  
180atttgatatt aatattgata atgaggagga tgcactgggtt acaacctgta actcaatttc  
240atcagtaagc tgtattggtt ggtctgggaa aggttataaaa cagatttact gcattgacaca  
300tgatgaagga ttttattggt gggatcttaa tcatctggac actgatgaac cagttacacg  
360tttgaacatc caggatgtca gagaagtagt taacatgaaa g

401

&lt;210&gt; 2220&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag aacagagagc agtgtacgat gagcatggaa cagtggacga ggactctcct  
60gtgctcacc cagaccgaga ctgggagggc tattggcggc tactctttaa aaagatatct  
120ttagaggaca ttcaagcttt tgaaaagaca tacaaagggt cggaagaaga gctggctgat  
180attaagcagg cctatctgga ctcaagggtt gacatggatc agatcatgga gtctgtgctt  
240tgctgagcgt acacagagga acccaggata aggaatatca ttcagcaagc tattgacgcc  
300ggagaggtcc catcctataa tgcctttgtc aaagaatcga acaaaaagat gaatgcaagg  
360aaaaggaggg ctcaaggaga ggccaaagaa gcagaaatga gcag

404

&lt;210&gt; 2221&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga tgacccaac gatccatact aggagcatgg attgatactg ccaaattggaa  
60acattaactg gaactgcca tgccttgggg gaatggccag cggctcctgt ggagaacagt  
120ttaagtcagc cttttcctgc ttccactata gcacggagga gatcaagggg tcagactgtg  
180tagaccagtt ccgggccatg caggaatgca tgcagaaata cccagacctc tatccccaag  
240aggatgagga tgaggaagag gaaagagaga agaagccagc aaaacaagca gaagaaacag  
300ctcccattga ggccactgca accaaagaag aggagggatc aagttaatga aggccacaag  
360gcactgggca ccagtccttt tggagtggac cttttgcaaa aggg

404

&lt;210&gt; 2222&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac tggatgtata gcagtttttc caagaagctt ggctcagaag ggtagcagac  
60aggatgacaa atggaaagag aatgaggtc actggaggat tgttaaagag tacagcatgt  
120ttgagtgtca cttgaaaggt tccagtggag aagctgaaga agtaggtaaa ggtaagaata  
180accaagggac agaagtctg gagcagggag gagggaatgg gattctttaa aacctcttca  
240tcaagaaact aggaaaaaaa accaaagctg taccatctca gatttcagag aaaggggaatt  
300tagaaggaag taatataagc aaagaacaac aatattctgt gactgttttt aataataact  
360aggaaaattc ctagtgcagt taactctgaa caaaatt

397

&lt;210&gt; 2223&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggggagggg gaggagcatt tgttatgtgg ggcagtcaga aggaacatgt  
60aaagactcaa aagtgtgtaa tgtttcatgg aagccatcaa caaagcggat gactttcttt

120atatttttttga gacagagtca aactctgttg cttaggctgg agtgaaaaac atatacctca  
180tctcactgct gactcagaca tttgtgtcaa agagaatatc ctgcctaata cctccgagcg  
240agtcttatta cagatgcgca ccaccctac ccagttgtgg tcattataga catcacttac  
300gccccatatac ccctttccag tattgtttgg aaaaaattgt tcttattctg tgaccaccct  
360cttggaattt atagtgtcgg gagacatccg cctgcg

396

&lt;210&gt; 2224&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

gatcacttga gcctgggagg tcaaggctgc agtgagctgt gattgcatca ctgtactcca  
60gcttgggtga cagagcaaga ccctgtctca aaaaaaaaaa aaaaaaaaaa ttttttgggg  
120cccttttttt cttaaaacc aaattataaa aaacccttgg gaagtgtggc ccaccccccc  
180ccaaaaggcc gggaaaaaaa ggcttttttt ggaaaaattg ggaggctttt tttttttttt  
240aaccctttaa aaccgggaaa aaaaaagtta acaacaaaaa ttgggttttt tttttttttc  
300cgggtccggg gggggggggg aagttttccc nccctcctgc tgcgtagncg aacactctac  
360ttccttttga cccttaaacc acaacttgag cgtcg

395

&lt;210&gt; 2225&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

acctcctggt aaggagctac taccaaatac taaagctact ttttcttact cgttcgtagt  
60actgtcgaga atcagcttat cttcaccttc ttagactata tgtgaaaagg cacaatagga  
120agtttgggca cattagagac aaatgtgcta tactttacgg cttagcctgc gcccggttct  
180tattttatcgt caactgtgga caaatgatt ttgtttcatg agacaaaagg ggaccaccaa  
240cttctacggt aatgtctgcc ttttgctaga tagactgtct attacataac catatgtagt  
300ttatttttaa ggagaattac atatttttct tcacatgtca ctgttagaag taaatcccaa  
360tagtaagatt tccctaaaca aagtatttct tg

392

&lt;210&gt; 2226&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcanaagct cagtatgtct ctttcaactc tagtttttga ggcggggaca caggaggtcc  
60agtgggacac agccactccc caaagagtaa ggagcttcca tgcttcattc cctggcataa  
120aaaagtgtca aacacaccag agggggcagg caccagccag ggtatgatgg ctactaccct  
180tttctggaga accatagact tcccttacta cagggacttg catgtcctaa agcactggct  
240gaaggaagcc aagaggatca ctgctgtccc tttttcttag aggaaatgtt tgtctacgtg  
300gtaagatatg acctatccct tttaggttaag cgaactggta tgtagtaac gggtaaaaag  
360ttaaggggtct tgtggtttac ccactgaaa tatgtta

397

&lt;210&gt; 2227&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtc ggtgaaattc tgtattgatt tttctctaag gagaatatga catgcttgtg  
60cttaccaaga tcaagtgcac tgagggcagg ttttgtttgc ctgaataaac gtaaaggaca  
120agtaaacaaat ttgatgataa gctacagttt ttcttacaaa gtaaatattt tatttatgcg  
180ctgatagttg gcttttgaat ccattatttc atgctttttt ttaaaaaaaa aaaatatcat  
240aataactttt tgaagaggca ttgtgtcccg atataaattc ttttactttt attcactggg  
300tgcactaaat aatgagaacc ttgggtggat ttttgtttac ttcaaaaaaa caaggttagg  
360gatgttttta ttcccctacc ttgaagaaag tg

392

&lt;210&gt; 2228&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa tggatctgaa ttgacaaat agcatgccac actaatacta cagtcaacaa  
60cagcccagag aacaattact atgtcagctg gaggtatat tatgattcta aattcttaaa  
120gggttttttt cctccataaa tcaaaaatta ccttatgtaa accaaaaatt agttgggtatt  
180tatgggtcatg atcttaattc tcaagttag cttaactctg tatttcattg tttgtcttct  
240aatatgacag cttaaattca gatttttaag tgactcagca aaataggagg agtgtcccaa  
300tttattagtg ttgtacatat tgaagaaaac cttttgttc cttcagattt agaagaaac  
360agtttaacca tttatttctt ggtattctgc tgctg

395

&lt;210&gt; 2229&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tatatggacc ccctaagtct tattttctag taaactgatg atactggaaa  
60ttctttttact tgacatgcac aagaataagc tggaggcgat ttttctttt catacagagt  
120tcatgaattg ttttaaatgc ttcttaaagt ctggctttat aaccgtttta aatcaactat  
180gatgatttta gataaccaag taggtattat aatacaaaac aattttaagt gtaagaaact

240atagtataat caaagtaaat tcagttattg tattttgtggt gttgccttgc cttgcatgat  
300gctgggggaa aaagagaaaa gaaatggttt tctttttgta ctttcattca gtgcacaggg  
360aaaaaaagcat gtattgtgcc accggaagac aag

393

&lt;210&gt; 2230&lt;211&gt; 159&lt;212&gt; DNA&lt;213&gt; Homo sapien

acaaacgatt tctgttcatt ctttaagcat ctatatttca tttgttgtgc acatatgcat  
60atgagcccat ttaagatatt tgcataact tgatagaaac cataaagggtg tagcagttaa  
120gtccagccac atttgggttaa tcagtgtttg atataattg

159

&lt;210&gt; 2231&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggccatgggt gtgacaaact ctgaatacca gaggacacaa agggagagga  
60aaaaactgttc tatttttttt ccccaggtac atgtggaaaa attttgctgc actgaaaata  
120acccttgcct ttctcttgcct ccaggctgcc cttttcttgg gcctgggggt gttgttctcc  
180ttgggtcagca ttcccttgggt catctatgac tgggcctgct catcgagtag tgacgaaggc  
240cactgaaacc cgccgagaaa aagaaacatc cctgttgtct gctcagacaa gtccccacac  
300atcagcaatc tctcaccact tcttttgcaa gtttacagaa gcaaacagaa atgtacagga  
360tactttaaataat ggaataactt tttggatgca aaac

394

&lt;210&gt; 2232&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag actctgtctc aaaattaagt atctctaaat acaggattat aatttctgct  
60tgagtatgga gttaactacc ttgtatttag aaagatttca gattcattcc atctccttag  
120ttttctttta aggggaccca tctgtgataa aaatatagct tagtgctaaa atcagtgtaa  
180cttatacatg gcctaaaatg tttctacaaa ttagagtttg tcaattatc catttgtacc  
240taagagaaaa atagggtcag tttagaaaagg actccctggc caggcgagc gacttacgcc  
300tgtaatctca gcactttggg aggccaaaggc aggcagatca cgaggtcagg agttcgagac  
360catcctggcc aacatgggtga aaccccgctt ctact

395

&lt;210&gt; 2233&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggggtcaccc tgcataaaaa cacatggagc agactgctga gccagctcag  
60gggaagcgga gagaccccag gagtgcagggt gagaatgcaa ctacttgtc attacacagg  
120atatggcaga tcggatttga ccaacaaaat ggggaggaac tgatccagat gtggaatgtg  
180acagagaatc ctttccact gccatggaac atttataaaa ataatacat gttaatcaat  
240gaagaaaagg agccacacat ttaaaaaagc agaaatcgta caggccactt cctcagataa  
300ccattctaac taggggtcaaa ttatacatca ggactgaaac cacaacata taggaaataa  
360gataaagtct tttgggtttt ttgagacgga gtt

393

&lt;210&gt; 2234&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

gaaatctgtt ctttcacatt gcaaaacaga gtctgagagc aagaattcac attcgaaaac  
60ttcagggtgaa aagaaccacg tggaaaaaga taaaatgaat acattggaca ttttgagaat  
120ggagactaca gagagagaga atccagaagc tgaaactgta tctgtactcc tcaacacatg  
180gaagatcaat cgcgtaaaga ttttgaagag gaagatggca tattacagcc tgagaaaaat  
240gattcttttc aaaatatgca gccagatgag cccaagggtc ttagtgaatg tgtaagcggt  
300caagagaata ataaggcgga tgaacttaac caagtcccaa ttctaaggac tcgatttcag  
360aaaccaaagc caaatatagg aagaggaact g

391

&lt;210&gt; 2235&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagagag agagagagag agagagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagac tctctcactc ttgcgcgtgt atttatacac  
120acacacacgc gtgaagacac ctctctgtgt gcgcgcactc cccctctt ttgttcgtga  
180gaactgtgtt ctttttgca tatgtgtggc gctctatctc tttgtttacc ccctatatcc  
240cccgtctctac acgttttctg gcgcgcgtgt gcattttttt tgtgacgcag gcacgggggg  
300gtgtgtgaca tttttaaccc ccncacgccc cccctcgcta cgatgttctt tctttctttt  
360tcgtccttgg cttttgcct atagtgttt cccact

396

&lt;210&gt; 2236&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ctgacgtgga ctgtccacag tgttcatgtg ctggagtcag ggacggccgc

60acctgcctcc gccggctcca gtgtgcgggg agcctctgcc tgagtgtgca ccaggcccat  
120gtttattgac cacagtctga gcggggggga aggggactgc ggtggacacc agaggaagct  
180gtttcctgtt gtgatgttg acctgtagta ggacatggtg atttgtaaat tccatggga  
240agccatgatg gcctagcatg gagggaaatct gttcccaggc cctgcctgga agttgagga  
300aagtttagac atctgcagag aggcaggcag cccagcccag gggacccgtt cctcttgaac  
360cagtcattgc ctgtggcaaa tgtgtgtatg aa

392

&lt;210&gt; 2237&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttgataaaaa gtcaaagatt agcaaagata tatgctcatg caataacaca tatatgaagc  
60acagaagcaa aagctggact cagaacaaaa atagcaagtt gagccttaaa cacactgagt  
120ttgccttggg agtagaatgt ccaggcagag aagtccatca ggcaattgaa aatgtgaatc  
180tgcaacttgt aaaaaatgta ttattcagcc tgggctgtca tacaatagac cacagactgg  
240ttggcttaaa caacaaaaat gtatttctaa ccattctgaa ggctagaagt ccaagatcag  
300gatgtcagca tggttgggct ctattgaggg ctctcttcct ggcctataga tggccacctt  
360cttgcgtgtg cctcacatgg ctaaaagaat aagag

395

&lt;210&gt; 2238&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcaggctgt gatcggatc ctacagcctt accctcgtgt cctggatctt  
60ttccttccat ttctgtgta cagccttttt ggggacactg ccgttaccct actctagcta  
120gcatagctct gtctgtaggt gtcacataaa ggtgatagga ctgaccacac cgtcaccttt  
180cccggaaacc caagagggag cggtccacag agggagcgtg tagtgggggg aactgtttta  
240taaattaatc cgtttattga aaggttcaca aggacaaaga ggcaacagca agagtcaggc  
300acagaaataa aggacgcaga agtagaagtg cgccttgagc ctggaggact cttccagagt  
360gtttatcact tggtagacct gtaggagggc tgcg

394

&lt;210&gt; 2239&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga ttgtcccagg acctgaaggg agcatggatg gcctcagggc ctggtgaagt  
60ctgctactct gtccttactg ctgaacatcc tgcttgtatc aggaaactca gaagcagttt  
120gccttgcata attcaatctc aatggccatt gtccacataa ctgatcacc atggctgcct  
180ctcctattat ctattatcac tgaaacttag tagcctgctt tttttttttt ttttttaaaa  
240cctatgggaa atttcccttg ttgggaacct tggccccggg ttgggttttc ctttccttg  
300gaaaattaaa acccaaaagc cttttttttt tggttgaatt accggagggc cttgccttaa  
360ggggctgccc tgccccttg gggaataca aaaaa

396

&lt;210&gt; 2240&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ttcttaaaac catctaaaat aaaaccttct tatttttagta gtgtcagtga  
60aaataagcag tgacatttct tagaattctc agctttcaaa tctacatgct gtgatcctgt  
120ctgcctacca tctggacagt tttgtttac tcttgggttc ccccatggag taaaagtctc  
180aaatcatcta gcattgtttc tcttatctc aggtgatcca ccgcctcag cctcccagag  
240ggctgagatt acaagtgtga gccactgcgc ccagcctaca gaggactatt gagcatccaa  
300tgactatgct aggtatgcag gtatagtact aagtaacagg agttccta at cctaagaggt  
360tctccatcta gcagaagaaa accaaact t

391

&lt;210&gt; 2241&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tgctcacagt gggtcacgag ttatcgaaca tgatacagtt aatgatttcc  
60gagagaagat gatgtataaa gctatacatt gtgttcaaaa tatgaaacca gaggagtatg  
120ctcataagat tttggaatta cagatgcaca gtataatgga aaagaaaatg aagaccaaga  
180gaaatattgc caagcattac aagaataacc catcactaat aactttcctt tgcaaaaact  
240gcagtgtgct agcctgttct ggggaagata tccatgtaat tgagaaaatg catcagctc  
300atatgacccc agaattcaag gaactttaca ttgtaagaga aaacaaagca ctggcgaaga  
360agtgtgccga ctatcacata aatggtgaaa tg

392

&lt;210&gt; 2242&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gagaggttta accttggaaat aaaagaaaga atcagcaa at acattatctg  
60agcctacata cactttgtaa aaagtatact tccactgttc agaattagat gatggcacia  
120aaacctgttg ggtcttcatt catccttaca aatgtttatt atgctgagtg tcccagggtg

180ctggatacag tggagtgaat tagaaatttg aaattattgc cctgagggga cctacattct  
240tcttggttga gtgcgtctgt gtgggataag gtagacaaat aatataggaa attcaaaaaa  
300ttgtttcaga ccatagtaag ttctatgcca gaaatgaata gtccatatga taagagggaac  
360agacattgtg agatgttgga tctataggaa a

391

&lt;210&gt; 2243&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat aaaaccagc tgtgtaagaa ttattctaaa tttaaagttt attcttatta  
60ccgtagggat aggaatgtca gcactcactg aattatggcc ttcctctcct gtgtctggac  
120ctcctggcag cttatggttc cgttttcctt tggataacag gatacagctg gtggcaaaat  
180tctcacctgt ggaatggcca ttgggagttt tcttctccat atagatcttt gcaaagcagc  
240agaaaccatt ttgacaggaa accacaagcc tgtgttaaac accaaaagag aattgaaata  
300acatgtccat gagttcctct ttctagaggt accaaccatc atgtggggtc ctaagtatatg  
360tgtaagtag ctctttgtcc tcccttcac tttgag

396

&lt;210&gt; 2244&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aggggtggagc cctctgagct gcccgctgat ctgcagcact ggatctccta  
60caacgaggcc agcagccagc tgctccgcat ggagagtagg ctgagtgatg tcaccaagga  
120ccagtgaaccg ccaccttcac accgtctgcc ctggccacca tcttgggcct gggggctgcc  
180cacagatggg cagtctcagc catactctgt tccagctgga gtagcctcct gaccagcctg  
240gcccaccctg ctccaccac tgggcccccc cagttattga taccctctg tgctgggctc  
300cacgctaggc agaaggagga gtggcattgg catcctgacc cagctctgcc ctcaagggtg  
360ggatggatgg gcaaaggaga gtctgcctg gn

392

&lt;210&gt; 2245&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggttttcac caattcctac tcgtagcagt acattagaaa ctacaaagag  
60tctcttctc attgataaaa atgagcattt tacagtttac agagatcctg cacttattgg  
120gtcagaaaca ggagctaate atatttcacc ttctctaagc cagcatcctt ttcctcttca  
180tctctcatct ctatagaacct gtttaaatcc aggtaccat catcctgcct taactcctgc  
240acccatttta ctagccggat catctagtca aactccatta cctaccatta acactcatcc  
300tctgactagt ggtccacacc atgctgttca tcacctcat ttacttccca ctgtgttacc  
360tgagtgctt actgcctcct tacttggtgg ccaccca

397

&lt;210&gt; 2246&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggnacgagnc cgcctctccc tggcctgagg ttcaaaggcc tcatcggatg gtcagtacag  
60tgggggtcacc tgttgtttct atacaacagc aggggaaggg ccatggagct tttccctgct  
120gggtgctcct gctttggccc agcccacctt tcttgggtgct ccaagctagg aggtgtggc  
180cccagcctga ggaggggtgtc ctggcctcca ggtgtgcagc aggggtgtg tgctggggga  
240ggttccagtt aggcgatggg atcctgcagt ggtctggtgg catttcttgg aaccagattt  
300acctgaggag ctctgtcctg ctccctgtgg agggctccag atagctcaga aatgaccagc  
360caatggcctt ttgtttgggg gcctgagggtc aagaga

396

&lt;210&gt; 2247&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggcgttaag cacatctctt ttctggactg gccgactcct ttctggctcc  
60atcctctctt gaggccttct tgtccagctt aaagaaatcc ttgcagaaaa ctggtcagga  
120tctgggtatg ggtgggaagg agcaaggaga ttgctctggg attggcagtc ctgttctcta  
180tgaatcgggtg tcttttgggg aggcctggac tgaaatacta accagataac tccctccca  
240cctccatgag gagctgcatg tggattgaga gctgtttang tagggccaaa atgctgtcaa  
300gattctctta ccctgtgtct cttactctgg acagccctga ggttggctgc ctgccttctt  
360ccttgtgtt tgatctaaaa tgcagggtgt tagcn

395

&lt;210&gt; 2248&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc tgaagccagt agacagtga gaggctcggg ggacgaaccc ggcgctgttg  
60gaggacgacc tcagtgtgct cctgagcctg ggcaggggg cggtggctgt gctagacttc  
120attcactact gcagagccac cgtgtgtctg gaactaaagg gaaacatggg ggtccttgtg  
180cacgacagtg gagatgcgga ggatgaggag aatgacatcc tgctgaatgg cctcagtcac  
240cagagccatc tgatactgag ggctgagggg ctggccactg gcttctgcag ggatgtgcac

300gggcagctga ggatcctgtg gaggagacca tcgcagcccg cagtcaccgc ggatcagagc  
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391

<210> 2249<211> 395<212> DNA<213> Homo sapien

ggcacgagggc catctggccc tcacctcccc ccgtagctgg ctgtgacgcc cgccatgggg  
60acactggggc agtgcagtga gaagacgagg atgccagca ggctgacaac ggtgcagaac  
120aggcagaact tgatgaccgc ggagccccgg agcctgagct tgttcacaaa gaagccgccc  
180aggaaggtgc cgccaccacc cgctggcacc accagcctct caccagagca gactgtcggc  
240ctcacatcac cccacactgc aggagggcgg ctctttcttc tcggccacac ctagagcctg  
300gttccgatga acgcaactct gaatgcctgg aacattcaaa tgctcttggt tgaggaggtg  
360gccaaatgta aatggattct gaagaatcag gaaca

395

<210> 2250<211> 397<212> DNA<213> Homo sapien

ggcacgagct ggcggcatta tctgcgggct tatgtgaca ctaagctggc taatgtactg  
60tttgccccgg agctgccccaa ccagcttgag gccactggcg tcacctgcta tgcagcccac  
120ccaggggcctg tgaactcgga gctgttctcg cgccatgttc ctggatggct gcgcccactt  
180ttgcgccccat tggcttggct ggtgctcgg gcaccaagag ggggtgcccc aacaccctg  
240tattgtgtc tacaagaggg catcgagccc ctcatgtga gatattttgc caactggcat  
300gcggaatagg agcctccagc tgcctagac gaccgggcaa gccatcgct atgggaggcc  
360agcaagaggc tggcagagct taggcctggg gaggatg

397

<210> 2251<211> 392<212> DNA<213> Homo sapien

actgcacgag ggtcaatcca acattgttta tatcagttca cccgtaatga gaaacttcca  
60gatgcgaata aactgctttg agaagtatgc acacggagac agtgtaatgg accaaaggca  
120tatataaaag gtgaaaggaa gcatgtttac accaatgcca aaaagcacat gctaatttct  
180cttgctactc ctgatcttac tcttcattta aagagatttc agcaggctgg ttttaacct  
240cgcatagtta acaaacacat aaagtctccg gaaatcttag atttggctcc tttttgcacc  
300cttaaatgta agaattgtgc agaagaaaat acaagggtac tctattcctt atatggagtt  
360gttgaacaca gtggtactat gaggtcgggg cn

392

<210> 2252<211> 396<212> DNA<213> Homo sapien

tcttagacga ccaattatag gttatggagt ataattttac aagagtttcc ggggagaaac  
60tttaggatat actcggtttc aaggtgttta tctgcctttg ttgtgggaac agagtttttg  
120ttggaaaagt ccgattgttc tgggttatac gagggggccac ttctctgctt tggttgccat  
180ggaaaatgat ggctatggca accgaggtgc tgggtgcta ctcaataccg atgatgatgt  
240caccatcaca tttttgcctc tggttgacag tgaaaggaag ctactccatg tgcacttctc  
300ttctgtctac gagctaggtg atgaggaaca gcaagaaaaa ctgctcatgg agtggctgga  
360ctgctgtgtg acggaggggg gagttctggt tgccan

396

<210> 2253<211> 393<212> DNA<213> Homo sapien

cggtgctgtc gattgccgtg gcgagcgaca agtcctcttt tgccactcct ggggtgaacg  
60tcgggctctt ctgttctacc cctgggggtt ccttggcaag agcagtgctt agaaagggtg  
120ccttggagat gctctttact ggtgagccca tttctgcccc ggaggccctg ctccacgggc  
180tgcttatcaa ggtggtgcca gaggcggagc tgcaggagga gaccatgcgg atcgctagga  
240agatcgctc actgagccgt ccggtggtgt ccctgggcaa agccaccttc tacaagcagc  
300tgccccagga cctgggggacg gcttactacc tcacctccca ggccatggtg gacaacctg  
360ccctgcgggg cgggcaggag ggcacacgg cct

393

<210> 2254<211> 388<212> DNA<213> Homo sapien

ggcacgagga tctttatgca tttcccacta ctcccttact gtcttttagc attcacagaa  
60aaagccaact tgcttaaaga ggaatcactt aaaaggtagg catatctaag atgctcatag  
120aagaggaaga atgggacatg gccccatgct tatttttggt tacaacgtaa catggcatga  
180gagagggcag agaaactaag ttgctgggga aagttagagg aactgaaagt ttgggaatag  
240gtgaccaca tattatgcca gtgaccagta tgacaggaga tggggccctg ctgccagtc  
300tctccactga ataaagaata atgtcctct ttcagggtaa taaagtggg aaaaggaacg  
360tcttctcaat gcaagaacat aagctttt

388

&lt;210&gt; 2255&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttttgaa ctcaacccta tgaacaatgg gccattcaaa tggaaaaaaa  
60agctgcaaaa gaaggaaatc gcagagaacg tgtttgtgca gaacatttga ggaagtacaa  
120tgaggcccta caaattaatg acacaattcg aatgatagat gcgtatactc atcttgaaac  
180tttctataat gaagagaaag ataagaagtt tgcagtcata gaagatgata gtgatgaggg  
240tggatgatg gatgattgtg atggtgatga agaagatgat gatttactca accctttgaa  
300actggatgaa acagatagat ttctcatgac tttatttttt gaaaacaata aaacgttgaa  
360aagggtggct gaaaaccag aatatgg

387

&lt;210&gt; 2256&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcttattttt gtctttcact atcgcaggcc ttagaagagg tctacctgcc  
60tccagtctta cctagtccag tctacccctt ggagttagaa tggccatcct gaagtgaaaa  
120gaaatgtcac attactccct tcagagattt cttgtagaag agccaatccc tgaatgccac  
180caagatctta atcttcacat cttaaatctt atctctttga ctctcttta caccggagaa  
240cggctccagc tgttctagct ctctttcagt tctttgaacc ttcccacctt aggggtctata  
300aggggtccctc tgcccaaaat ggtctactct ccttcttct tcaacacatc cttcagttta  
360agcacttgct tctctcagtt taaac

385

&lt;210&gt; 2257&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ccagccctgg taatcctgat gcagagggtc cacaaccaca tttgggaaat  
60gttgacctaa tgcacagcag gaaagcactt tcatttgcta agaagtttcc atatgaaggg  
120ccacgcagac ctgagcatgt agaaaggcaa ggggccaggg aagtacttag aacactgact  
180ctggggttat attgcctggg tttgaatcta atcttggtcg cttactggtg atgctaccca  
240aggtgtctgt accttcattt cccacctgt agaaataggg ataggatagt ggaaggatatt  
300gagatgagct gagaccatct gcatagaggg cttaacatag tgactgggac ttancaaattg  
360ctccatgagt tatgattgct ggcactgg

388

&lt;210&gt; 2258&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggctgaagct gtcaccttgt ggaatatcag atattaagga tggccagaag  
60ggcagtgggc agagccagag agtgtttctt gaagcctgtg acagatttga agggcctggt  
120tcatatatct ataaactgaa gagctacatt gttaaaagaa ttaatttgg aaataaattt  
180accctgagat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt  
240atgcatatat aaataccacg gccaaagagga ccatcccttc ctttatctga gaaaggaagt  
300atacaaaatc cgcatacaatt taccggcacg agtccccctg cttgcattgt aggtgtcaaa  
360gccccgggtgc ctgatcttga cataggaag

389

&lt;210&gt; 2259&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgct agattacgac agaaggggag tcagatggga gtgctgttta accttttcag  
60gaactgtcag actgttctga agagggtaca ttattttaca ttccaaccag cagtgtatga  
120gaattccagt ttatccacat cctcatcaac agttgttttg tctgtctttt ttattatatt  
180catctcgcgt gtgaagcgcg tatctcattg tggctttgat tcacctctcc ctgacggttg  
240acgacccccc ttctcattgc gtacccctat tacctccccg cggcctttct tcatacactg  
300gttgctccag gaattacctc attcatctcg cccccgattt ccctgttgcg cccgcttct  
360attccccctc ctccgccttc gtccc

385

&lt;210&gt; 2260&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctctgaagg aggtcttcaa ggagtatttg attgaactgt ttttcttgca  
60acactttcaa gggaaacatga tggatttctt agctttcaag aagaaacatt atgccccatt  
120acaagcatat cttaggcaga atgatttggc cattgaagaa gaggaggagg aggaggaaga  
180ggaggaagaa aaatctgagg ttatcaatga cgagcaagcc ctgcaggga gcctggtagc  
240aggggccgga agcacagtag agacggacct gtttaagagg cagcaggcga tgcctccac  
300aggaggaatg cccccacgc cgcaagccgc gcagctcgct ggacagaggc agagtacgca  
360gcagtatgac ccctccacgg ggcctccctg

390

&lt;210&gt; 2261&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien



ttttacgatt ctaaaatcct aacagatttt aactgttgct taaatattat ttcttggcat  
60atatagcttt ttaagtctgt gggtaaaga tagatgtact catttgagac ttagtgattt  
120gttttataag tatgttgaat aagttgagcc agtttgaatt gtgtccttct cttttaaaga  
180aaagatttcc caaatataaa cctggattta gatgtttttt gggtaaaccc tactgaactt  
240tccaaaattt tcaggcttct gggcctaact caaactgtaa ttcatgagg cgggccaagt  
300gatttttaaat ctcatataaa agttaccata agctctactt gaaccatttg ggttttagta  
360taataaaaagg gcacatgtat tggggtt

386

&lt;210&gt; 2262&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gatcattttg atatttcatt ctgatttctg attctctgat ttctgattcc  
60taatgaggac agtaggtctg gatccaaatt ctcacagtaa aatcaagcag taattttctc  
120tcatatctat tagggaaaga aaaatgatca cagtctgcta agagtcttga ttttctttgt  
180aatgcctcac atagtatgat aatcagctc caaagcatca catgataatt acaatgatac  
240cattaacatg tcaaggaaat tatattattt atgggtgtca aaaattatga agtagtgtat  
300gattataagc agatatggca aatttggtca gtaaaccat agatgactac attttgagaa  
360atactaagat aatactaaaa attatgccn

389

&lt;210&gt; 2263&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagcc ccagtttttg ggctcacttg tcctgtatcc taacaactat ttacatagta  
60tttacattat attagccatt gtaagtaatc tagagatgat ttaaagtata tggaaggatg  
120tgtgtaaatt gtatgtgaat acaaacattt tatataaggg acttgagtat ctgtggatct  
180tgatggggta ggggtgtcc tgaaaccaat ccccttgga tactgagga tgactataca  
240cttaagccac cagacatctt gcatatcata gacaattgtt tgggtccat gagctttaat  
300tacaaaatgt aatgctggga gaacatagag aagagtgatt ttgtttttta aatgtacact  
360tgaatctgta gaaatatact acatttgn

388

&lt;210&gt; 2264&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagac taaacctcc ctagctttg gtttccccg cagtctgaag actctaatac  
60ttgacactcg ttcagagaga tgtttgggga atttatagac acttaacatt tatgcaccc  
120tatatatcgg gggcgggagg aattacagac acttaaacca ttactgcctt ctccctcaaa  
180agaataacag ctttggtaac tgggttagca gaggtgtagg tggacttagg gttgtaaaca  
240gatactcatg gcactgacat cgatgagtct atgagggaaa ttagaaagat aaatacatct  
300gggatgtaa ctcggaaagg cgaggctgtt caaaatgttg gtgctattga attgtgatcc  
360tcggtgttg tacattgcta ataatg

386

&lt;210&gt; 2265&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagaggg tggcccatct ggactcatgg tagtggttaa gaactggatt actgcaatag  
60ccagggcttg ggcctatgtg ttcatggttg gaaggcaaaa tgtgtcaggg tctggatccc  
120agttaattac ttaaagctga taaactaggc tgggtgcagt ggctcatgtc tgtaatgcc  
180gcagtttggg aggccaaagc aggtggatca cgaggtcagg agttcgatac ctccctgacc  
240aacatggatg aaccccggtt ctactaaaaa tacaacatt agctgggcat ggtggcagc  
300acctgtaac ccagctactt gggaggctga ggcaggagaa ttgcttgaac ctgggaggca  
360gaagttgcag tgagctgaga tcatgccat

389

&lt;210&gt; 2266&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagaggg aacatgaggg aatgggcaag ctagagatg gtttcatgcc atctctagct  
60ttgggagcca aattctgaaa cagaaacttt ctgtttccca taattctccc tcaacctcac  
120atttttatat ccatttggat gcagaggcaa tatccccatt ttacagcaga gggagatacg  
180atttagttgc aactacatac agtttagcaag aggtagagcc aagactggaa tcttcagttg  
240ctagcttcag aatctgtgct ctttgtgtgc aaaatcattt ctaagcaaga acaaggattc  
300tagattgtcc tcatccttac tacagagtca tatcagactc ggggcaagac ccaaggctg  
360caggcacctt gggcagggtc ataatttgg

389

&lt;210&gt; 2267&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagaggt ggtaagaat ttataccctc caaattatgc gtctgggtgcc ttggttgaaa  
60gtattctcac ttcattggtg ctgtattaca ggtacggtat tctcaccaaa atcatttctc

120tttgaatta tgatactgat tttaatgccg cacattttgca tactatatgc ttgttacagt  
180gatccccaca gtaactcatg aagcagccac tcattgtaca aatgaacgtc tccatataat  
240agtttagcta ttatacagta catggcagaa acacaattca aactcaagtt tatacgaata  
300ctttcaagtc tccttacctg agagcagaaa gtgacattta aatttaaagg agttcccagc  
360ctttgttttc agtgcagttt gtttcatggn

390

&lt;210&gt; 2268&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gtgggattac agttgtgagt cactgtgccc agcatggagt ttcttatatc  
60aggtgtttta gggagctcgc ttgcttattc cattctttaa tccttacagt gtgccacacg  
120tataaaagttt ataacgtatt aatgatctca ttacccaata ccagaacata atttcacaag  
180ggttcctact tctgtattgt tttattatct caaaaattta aataacatgt tctgctgggt  
240attggtcttg ttatccactg tattagcacc ttccctgatg tgctttggag gttgatcaat  
300gaatttctga gactttctgc tggaattact ttaagggtgt cttattagat gatgaaaagt  
360tggctgagac acccttcaag tgaccatgtn

390

&lt;210&gt; 2269&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc taaacctga gtccttatt tgtaaagggg acattagcca ctctccagca  
60acagccctgg tacttcttca gtcctgggat gggacgtatg attagcctaa gcgaaccaga  
120aaatccaggc ccgtgaccag tgacttgatc agggctggcg atatatctag gtaggccaac  
180caggtggact cagtattttt gtgggtgcta ctggaaaatt tatttaattc taactgaatg  
240tagaaacagc aacagacatg aaatggcagt tgtattgctg tcttatcatg aggtgagggc  
300ctgaagctat ggtagccacc ctgtgaacct tggaaggagg gttctacagg aactggcaga  
360gctgagactg ggacgcaacc catgtn

387

&lt;210&gt; 2270&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tgcatacagc tggggtcttg agtccaggct tttggactga aacaaggacc  
60tgaaacatct aaaactacct cttgattcta taggaaggag atagggtgctg aacttgctca  
120agagcccaga gagctggttg tagctcacac ccgttccctg ggcattgtgtg ttctgctctc  
180ggctgcctcc caggagtcct caacctgggg tagtgtaaatt tcctgctctg cttattatca  
240gacgtgtgtc cggaggtggt cgtgtttcac agtggggatg ggggtaggga ggtcccaat  
300gtgctaagct acaatcattc tccttgagat ttctatttag caccagttt cttaaacagt  
360gttttcagggc cctgtctgga acttg

385

&lt;210&gt; 2271&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aggcagttat atggnTTTTT actttttcat caattccata ccattcgggag  
60taactaaatg aaacatactt caaagaaaga agtcaaatga aatgactgtc attgccatt  
120aataaaaaaca acaatctgag cttaacaaaa aatttaacaa acagggaaga cagaaagatg  
180gtatatattat tgcctgacta cactggcata actcacttta acaaaaaatta tcacatttaa  
240taatataacc tgttatagct aaatattaaa cacatattaa ttagggccaa ctttgaagga  
300tttctaattc atccatttcc ttattcacta ttatatatga agcactacac taggtgcagg  
360gtcattataa acaagttttt tctttg

386

&lt;210&gt; 2272&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct tagccatcca ttgtgtctca aaactgtttt ggaggtgaat aactgtgagg  
60caggatggag aaccttttgc tctcccatcc agaagggcac ctaaccaggc ccttgagca  
120gacaaaagga gcaggaagtc aatcacttcg atcccagttc tctgaagccc aagaagaaaa  
180cggattttcc ttcgttttgg ttcggaggcc tagtagagaa tttggattcc accaagttct  
240cttttttcaa aaaaagtaaa cgggccagag cagacaaaaa ctgtggaaac ttgaggcctg  
300ggtagtagtg gttttgtttg attttgaggc tttaaagaga taaggagacg gtggtggagc  
360tccgccacgc cgcgtggctc tcaattcc

388

&lt;210&gt; 2273&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcttatgtcg tattgtttta cagccactac acttgatttc ctgttgatta  
60acttctccat tctcttaagc acctttagaa gatttagaag tttcctagtt ttaagtgttt  
120caccagcaag tattccatac ctacttgatg ttgctggctt ggtgtcttat ttcctaaagt  
180gaagcatctt tttttaaaaa agaatttgat tgacaatata tccagtccaa tataagtatg

240aaggattctc tctcctgaga ttgtagcagg cagccaaaca ttttcaaagt atgccccagg  
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390

<210> 2274<211> 389<212> DNA<213> Homo sapien

ggcacgagcc ggggcggggc ggggcgaggt cctaactagc tgggttagta agcggcgcca  
60gcgtgcgagt ttctgtcgcg cccgcgtcgt cccagctccc tggactacca gtattgtcgc  
120ccacgtgggc ttctcttttcg tccgctcagg cctcactttt ctccgtaaac acccggcac  
180gatggagcgg ccccgagcgt cgggagcggc ccgggagcgg aaagcggcag tgtcctggga  
240gcctcgaaag ccgcaggggc ggcagctcgc ctcggaatga cctctgacgg aagaaataaa  
300acggggcctg ggacgcttgc acgaaagaac ccgacaaaaa ccagagcccg cactcactct  
360cgtactgggg aggtggactt cagggaggg

389

<210> 2275<211> 389<212> DNA<213> Homo sapien

ggcacgagac actgtcttga ctaanaaaaa taaaaggggg aaaaaaaaaa angggcggtt  
60ggtttttggg gccccaaaaa ggggttggga aacccccggtt tttttgcctt atgccccccc  
120ctggacttcc ttgggaaaaa aagcctattg gcctttccca aaaaactttt ttttcaaaag  
180gaccggcttg tgggaaaaaa gcccccttg gggctttttg gggggggtta aaccccaggg  
240agaccggga acctcatttc ttggcccccg tttttatttt tttgtaagct tttgaaaaac  
300atttttttgg ccttttttgg gggagggccc ccttttata accccaggga aacaaagggtg  
360caaactgcct aagacttccc cgggggtggc

389

<210> 2276<211> 390<212> DNA<213> Homo sapien

ggcacgagcc cgagcggggc tgggactctt ttaagatgcc cacgttcgca cagagacccc  
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120gttttttcac acctgcggct gtcttcgat cgaccacagc tgtgcaggag gggcaggagg  
180tatctgttgc tgcagttacc ggaaccttg ccaggactag tacaggacca cgggctggta  
240gctcagggat gtctcagctg tgagttacag ctgcacgctc tccaggaaaag aaggaatttc  
300ctcttctcgc gaaacccac cacacagctg gtttctcatt ggtgctgctt gccattccc  
360tgagctgtga ctgccagagg agtgggaggt

390

<210> 2277<211> 386<212> DNA<213> Homo sapien

cgttgctgtc ggcagaggcc atagccatag ctgggggtca aacgagctgt cccggggggc  
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120cggaggcgac ggcgggacct tggccctcat gcagagggtc agctggcccc gagggatggg  
180gtcattggcc ttaaccccc ctactgatgc cagggaacg acctccgttg cgccctggat  
240gcccagctcc gccaggctgc ggggggagct ctgcagggtg tccacagccg gcagcttaga  
300caggcgctg ggctccaga ggagtccatg cacctgctgg ccatgagggc cagccagcc  
360actgccctcc tcggccgcag cagggg

386

<210> 2278<211> 385<212> DNA<213> Homo sapien

ggcacgaggc aaagcctcgc ggcgaggata gcacgagtat tcaagcgcg ctgaggccct  
60ccttggttag tgctgggaca tggagccccg gcagccaagg ccaaccttgt gcattccgcc  
120cacgtaggcg cctggggccc tggcttctct cgactgcctc tccactgcct ggaggtcatc  
180aaatgcccc ggaccacctc ctacgtgcca cagctgtgt tggccatcca aggttccata  
240ttgagcataa aacagccctc tgccctaaag gagttaacct gttggaatca cataaaaagg  
300attctgacta ccaagcgct tgaagttaag ttgaactctg aagacagatt gcctggctac  
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385

<210> 2279<211> 390<212> DNA<213> Homo sapien

ggcacgaggc gtccttctct accttccact tccaccatgt gccgacactt ccctgacccc  
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120tttcttctgt gtagctgtc ccccttgggg acagggactc gttgctcatg ttcacccggc  
180aggttggaaca cttcgtggag ggtccaaaag ccggcagatc ccggggccgc ctctgtctct  
240cccaggccct gcgtgttgcg gtgagaggag catttgtgtc tctgtgggtt gctgctggag  
300ctggtgaccg ggagagaaac aaggggagaca aggggtgccc gacaggtgcg gtgctcatcc

360aggagggcaga agacgtggac gtgtccccggg

390

<210> 2280<211> 386<212> DNA<213> Homo sapien

gttgctgtcg ctcacgcccc acaaaacccc acagccccc cccccgtccc ccccaatgaa  
60gttgaggttg aagatcgcca tctcagaggc cgagcagtct ggggctgtcg agggcactgc  
120gtctgtcagc ccccggtccc caatccgcca gtggcgaact caggaccaca ataccccagc  
180acttctccct aagccctctc tgggcccgaag ctactcctgc cctgatctgg ggccccctgg  
240cccaggtacc tgcacctggc cacctgtctc accccaacca agccgaccac ggccgcggcg  
300gcacactgtg ggtggtggg aaatggccc agccccgcca cccctcggc cctgtctccg  
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386

<210> 2281<211> 390<212> DNA<213> Homo sapien

ggcaccaggc gctttgtgac tggaggtctt cgtgggcagt tctatcagtg tgacttagat  
60ggtaatctcc ttgactcctg ggaaggggta agagtgaat gcctttggtg cttgagtgat  
120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggtataa cttcgaggac  
180cttacagata ggaacatagt acaagaagat catcctatta tgtcttttac tatttcaaaa  
240aatggccgat tagctttgtt aaatgtagca actcaggag ttcatttatg ggacttgcaa  
300gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggttttatac aattcattca  
360atgtttggag gccattatga aaacttcatg

390

<210> 2282<211> 390<212> DNA<213> Homo sapien

gcggagcgag caacacagtc ctttttcttt cgtgcgctcc gggccaaggc ggaaaaagac  
60gaggacagtg ttctcacag tactggacag ctcacagtcc gggctaagca ggggtacct  
120tcacggacca taaaactcca agaggctcaa gaaggacag atcagccatc acttcatggt  
180caactttgtc agggagcgct agggaccagg aatttacctg tgcggccaga tggcaccttg  
240aactcatttg ttaagggctg tctactctg ccagaccaac aaaaactgag actgaagtgc  
300ccagtcctga ggaagcacgc ttgccccag tggaaacact catttgtctt cagtggccga  
360accccagctc agctgaggca gtcaagcttg

390

<210> 2283<211> 385<212> DNA<213> Homo sapien

ggcacgagga cttctcagcc tgccgagcgt actggaagac aacgctctct gctgagcaga  
60acgcacacat ggaggctgtc ctgcagagaa gtgcccgcga catgaggcac cttttgatgt  
120cccagcagac cctgaggaat gtgccaccga tagtgtttgt tcaagacaag ggaaatgcag  
180ctctagctga gcttgatcag ttactggcag tcgcagactt tggaccccgg gatgaaagag  
240acaactttgt acaaaatgat ttcagggacc ctgatgcccc acaaccctgc ggcaccacag  
300agccgaccac aagctccagt ctgtgtggga tcgatcatga ggcgctcaac aagcagatta  
360tgaggtacaa aaggaggaaa gataa

385

<210> 2284<211> 386<212> DNA<213> Homo sapien

ggcacgagag tcaagattgg ctgcctcatg ttgaggttca gagttacgac tcggactgga  
60cagaggcgcc ggcagctgtg gtgattggcg gggagacctt cggcgtgagc ctggagtccc  
120tcagctggc cgagagcact ggtggcaaga ggctgctgat ccccgttgtg cctggtgtgg  
180acagcctcaa ctggtccatg gcggcaagca tcctgtttt cgaagggaaa agacagctgc  
240gggggagggc ggaggacttg agcagggaca ggagttacca ctgaggacgc agaagtgact  
300tctgcttgag gacgtctgca gctcctcta caccagcaca ctggtgggag gctggcggag  
360tcagtgacta tggccccac gttcag

386

<210> 2285<211> 385<212> DNA<213> Homo sapien

ggtgatggag ctgaaattgc agaaaaattt gttttcttca ttggcagtaa aaatggggga  
60aagactacta ttattctaag gtgtcttgac agagatgaac caccaaaacc aaccttagct  
120ttggaatata catatggaag aagagcaaaa gggcacaaca caccaaaaga tatcgctcac  
180ttttgggaac tcggtggagg aacctcttta ttggacttaa tcagcatacc catcacaggt  
240gacaccttac ggacgttttc tctgttctc gttctggatc tttcaaaacc taatgatctc  
300tgccccacca tggaaaatct cttgcaagcc acaaaaagcc atgtagacaa agtgataatg  
360aaactgggaa agacaaatgc taaag

385

<210> 2286<211> 389<212> DNA<213> Homo sapien

ggaagcaaaa aagattatat tcaggaaaaa cagatgagac aagaagagca gagggaaaaga  
60catttagagg ctgccgctct gctgagtga agaaacgcag atggtttaat tgtagctagt  
120cgttttccacc ccactcccct gctgctgtct ttgctggact ttgtggcccc ttcaaggccg  
180tttgtggtct actgtcagta caaagagcct ctggttgaat gctacacaaa actgcgggag  
240aggggagggg tcatcaacct caggctgtct gaaacctggc tcagaaatta tcagggtttg  
300ccagatcgaa gtcacctaa actgctgatg agtggagggtg ggggttatct tctctccggc  
360ttcaccgttg ccatggacaa ccttaaagn  
389

<210> 2287<211> 388<212> DNA<213> Homo sapien

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60cgtggtgatg gaatgtgggc ttgatgtgaa atacttcaag cctggagatg aggtctgggc  
120tgcagttcct ccttggaaac aaggcactct ttccagagttt gttgtagtca gtgggaatga  
180ggtctctcac aaacccaaat cactcactca tactcaagct gcctctttgc catatgtggc  
240tctcacagcc tggctgtcta taaacaaagt tgggtggcctg aatgacatga attgcacagg  
300aaaacgtgtt ctaatcttag gcgcttcaag cggagttggt acttttgcta tacaggtaat  
360gaaagcatgg gatgctcatg tgacagct  
388

<210> 2288<211> 386<212> DNA<213> Homo sapien

cgctgctgtc gtggcactat tacagcgttt gctttgggtc tggaaccctc aggggcccgt  
60tgggggactg gaggatatga ctatgatgtt aagctttggg attttgctgg aatggatgt  
120ctttttaagg cattttgatc ccttcagccc tgtgagtgcc atctgatcat gttattacag  
180tttagtaaca caggagacat gattcttgtt gtatctggaa gctctcatgc caaggtgatt  
240gtcagagatc gcgttttgat gtattggaat gcttaaaagg agaccagtat attgcggaca  
300tggccatcac caagggatc actgcattgc ttatactgg ctcatggcat ccctaaatat  
360agggagaatt tatgacttgc tcaccg  
386

<210> 2289<211> 385<212> DNA<213> Homo sapien

ggcacgaggg acaagagaaa tacttgttgt tgcattgat ctcagaatcg gaatttctaa  
60ctgaagctga aatcatttgt gatgttgtat gcctgttata tgatgtcagc aatcccaaat  
120cctttgaata ctgtgccagg atttttaagc aacactttat ggacagcaga ataccttgct  
180taatcgtagc tgcaaagtca gacctgcag aagttaaaca agaatacagt atttcaccta  
240ctgatttctg caggaaacac aaaatgcctc caccacaagc cttcacttgc aatactgctg  
300atgccccag taaggatatc ttgtttaaat tgacaacaat ggccatgtat ccagaggatc  
360attacagaga cagactctcc cgagn  
385

<210> 2290<211> 387<212> DNA<213> Homo sapien

attcaattct gcacgaagaa agctgagaa atgaccact ttggtgctat ggggaggcct  
60tgccatcatg ggcacaccgt ttggcatttt ggcccggtt acctgggtggg aatattcctg  
120ggacatcatg gagccagtaa catacttcat cacttatgga agtgccatgg caatgtatgc  
180atattttgta atgacacgcc tggaaatagt ttatccacaa gccagagaca gacaatactt  
240actatttttc cataaaggag ccaaaaagtc acgttttgac ctagagaaat acaatcaact  
300caaggatgca attgctcagg cagaaatgga ccttaagaga ctgagagacc cattacaagt  
360acatctgcct ctccgacaaa ttggaga  
387

<210> 2291<211> 384<212> DNA<213> Homo sapien

cgctgctgtc ggtttttgta caagagcgca tactcatttc tttctctctt tttcaaatgt  
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120gtaccagctg ggatttttgt attaagcagc tctatggggc tactatacca gcagaaaatt  
180agaagtcttg ctctaaaaag cattttcagc aaatacttgc ttgttctta aagtttttac  
240tgctcaatt tgtcagctaa tggatcacia gtgattggga ctgcctggag cttttttcag  
300ttatggctct agatgtgagt cagagaatat tatctattga gtttcaccca cttctctgcc  
360cctgtgcttt tacagactgg cctn  
384

<210> 2292<211> 381<212> DNA<213> Homo sapien

ttttggttgt cacaactggn gggatgttgt tttcatctag aggatagagg ccagggtgct

60actcaacatc ctacaatgca tgggacaact cccacaacaa agaattatcc agcccaaaat  
120gtcattagt ctgagggtga gaaatactcc tctaaagtag ataaactcct tgagtaaaga  
180gaagtttacc atagcaactt tcagtagtac ttcaaagaag atagctgtat aaatgtcatc  
240aaactatact atgtagagaa tcttaagtga taaccagggt cacggattcc aaacatgtca  
300ttataaattg ttttatatgg tgctcactgg tgcatttttc cttttggata agggaaaaca  
360ttattccact tactgttttt g

381

&lt;210&gt; 2293&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgcgtc gctgggtgcg gtggtgcgtg cctataattc cagctactcc agatgttgag  
60gcaggagagt tgcttgacc cgggaggtgg aggggtgcgt gagccgagat cgcgtactg  
120tactccagcc tgggcaacag agtgagactc cgtctccaaa aaaaaaaagg ggggtaaaaa  
180cctttgaaaa tggaccccggt tttttaactt tttattggaa atcctaaagg gggcttcggg  
240ttttcaaaag aattttccaa accaaccccc ggccggggga aatttgacct tttttggcaa  
300acgggggaata ttttttttcc tggagccctt gggggggggg ggggaatttt gccttaagac  
360ccttgggggt ttttggggca aag

383

&lt;210&gt; 2294&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgacctcag gtgaccacc cgcctcgcc tcccaaagt ctgggattac gggtttgagc  
60cactgcgcct ggccggggat tatgttttaa atgttatctt tcacagcgtc tgaagttctg  
120tgcttgaaac ctaagtcatt tggaaatgtac ttgttttggg ggtgtgctga gaggatcggc  
180aacatggcaa ggtagttatt ataataaag gtgagatggg gcggtatgtt gtanaacctt  
240ctaanactac cactctacac tcactcttca agattctttt ctgagctga tcaacctatga  
300ttttgatgac gtccttaccg agcctgaga aactaaaact tcttagaggc cacccttgt  
360agaaaccgac aatccgtcta ctcc

384

&lt;210&gt; 2295&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgcgtc gcgttttcaa attcacaggg gagggggaat gtctcact ccagccctcc  
60tgagcctagg cctctgtga gatgtgtcac catttcttgg acaccatgtg agacattccc  
120cctcggatta gagatgtca acctgcatca acaaacttaa agcctgcac tggctacctt  
180ggggcgagtc ctgtttacag tgcctattcc tggagctcgc ctctttttgc cttttgtttg  
240attatgtgat gtattacttt tcccagcagg ccagtgttag catactggaa gagggattta  
300ataagctggc acccttgatg ctatgtcctt aatccaacct tatttgcctc attggccatt  
360tccattatgg tggcagccct ccat

384

&lt;210&gt; 2296&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

gccgcactcc actgcacagg acatttatgc caccctcttg ccagatgcct ttgaagaaag  
60agtcagactg gtccaccctc ccccagcccc tggggctcct tgagcctctc tccagccttg  
120gcaggaggag gaaaagcagc acctccctca gacagctgga aaggccctct tccctccag  
180ctcagtgggt ccggccaagg gtcaccagac gggatattgt cccacacctc ctaccaacct  
240caagaacaca ctccacacct ctcttcgctg ctgcggtgtg aagcttcagc ctaaccaaat  
300cccacagagt ccatctcgac agcctgggat gacacgggtt ccccagaggg ggacagagtg  
360ctgggtgtgg gtgccagttt agac

384

&lt;210&gt; 2297&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tatacacagc tctgttttgt caatgacctt tgttgtaagt ctcccaacgt  
60cctattagga gccacagcag gtgaggcatt tgggtgcagca ggaaacatgg ggactgccta  
120ggctcgaatc tgtggcacc tgagcaatta cttaaattgt ggagcctagt tctcatctg  
180taagatggac ttgagattcc tacctctcat gattactatg gagattgaat aattggtaaa  
240attctcctag ctacgtgact gccacaggat gggctcttca gattttggct ctcttttagct  
300tctggttctt gaaagaaatt aatctgtata taacataaga aactttgaaa gtcaaaaaaa  
360caaaaaattt taattcctc

379

&lt;210&gt; 2298&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tttctcctgt taagctccat tgcctcttc cacattttgc tattattata  
60ataaacatta taaatgttaa aaactcaaca atatgttgn aaacttattg ttttatgtac  
120tctatgcttt tttttttttt ttgaaaagga atttttcttt ttttccccca gctggaaggg

180aatggcctta atttttttta acaaaaaactt cgccttgggg gggttaaagaa ttttcaaatt  
240taacccttct gaagaactgg gaataaaaggc ttggcgacctt ccccttcagt tattttgttt  
300ttttaagaaa accccgggtg tttcaaagta aaaagggggg gcttggaact ccgagcccaa  
360gggggtgccc cccacctga aacc

384

&lt;210&gt; 2299&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca aagaatttta ttcaattaaa cttgaaatgc atctggattc ttaaagggtc  
60agtagtgatc actgggacag ggcgatcata aaactgaatg ggctgtcggg aggtgtcggg  
120gcagcagcaa gggtagacatt gccactgacg ggggcttccg aactggggac gtttgtcatt  
180gggatgtgtt acaagttcgg gctgtggaaa ttactcgatg aaaaacgcac attaacgata  
240gccatgaaat attagttaag ggaaactagg ttgagaaatg agacagcagg atctatcaga  
300gcctggcatt gttcgccaca gcccaggtag tgattaaaac gactgtcaag cggcagtggtg  
360tgggagctga ggagcacggn gctg

384

&lt;210&gt; 2300&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtgtagtcc gagtttccac agccaggtag tactccgcca gtgaccctgg  
60acagtaacaa aacatataaa gcccagagccc aaaccccgcc accatcatag gtctgtagtt  
120actgtggaat caataagcca tggcatctaa gaaatttgct gttaaaagac ggggtttggc  
180tatgtaactc aggtagtct cgaactcctg agttcaagt atacaccac tttggcctcc  
240caaagtgtg ggattacagg tgtgagctac cattcctgac ctaggggctt ttctaaggaa  
300ggcagaaaaat gtttgcctaa cacagtgtgg gaattttgct gtctcgtgg atcttcatat  
360cttgccacaa ggttcaaaca aagg

384

&lt;210&gt; 2301&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgactctcct gctttggtat ttgagtttga tttaaacaaa gcgtcgtgga tgggaggtgt  
60atcatagcat cattttaacc attgtgcctt ttaatgtgga aaatctgccc aaaataggac  
120ctgctgcagt ggttttcaca tatacaaaga agtggctaga atgttctctc agaacagcac  
180acgggattag aaaggacatt tggccgctgg aattcttcag tgagaattca gtgattaagc  
240ctgccttctg ttttcttgtt gggccgcagg gttcctgtgg atgtcccccac cctcagattg  
300ctggagtaga aaacttaact ttccaaaaca ctgagttgtt ttcagcccag cattagaggt  
360taaagatgct catgtagaaa gccg

384

&lt;210&gt; 2302&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

caagtttgat gcaacataaa ctgataaagt ttgaaataaa aagagacagg ttggtaggaa  
60agaccattca tatectatcc ccaaactggc ttaagtccac tccactgcc cccagctacc  
120acctttttac tttattctac ctgctatttc tttggccacc ggaataataa gcctgatgta  
180aattctgttt cactatccca caggccaact ttttttgagg ttgacaata attattccaa  
240gtcaagtaat tcattgattt tagtggaaga ttgttttcca ggtgttatte ttccatgcgc  
300ctcaccacca tctcataaag tagaaaagag atgatttaat ttatgggtct agaaaataaa  
360aatgtaata cttgcttgtt

380

&lt;210&gt; 2303&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttggagacg acatggtgag aggtagctc tagggatggt ttagaaaata  
60aagtcacctg gggactggtc caccctctc cggctccctt gcctgttggg gtcagggctg  
120ccctgggaag ggcagcgacg ctgggttggg aggagcatag actgcagggc atctgcctga  
180gtgtagagtc cctgggcctc taattctgta aaatcgcggt aatagcatcc gcttctctga  
240gctgttagag gtgtaacagg taaacccatg taagggtgctt aggcagggg tgggtgctggc  
300taagtgccgt taatatcgtc agcatcatta cctgcgttat tgtagcactg atcgccatgt  
360cagctgcctt caaggtctg

380

&lt;210&gt; 2304&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt gtgttctgt tgtggctatt tttaagaatc ggtgtttctc agaattgata  
60agaccattgc acaaaactgt gacgattggc ttggagtaa cctgtgtgc ggttcttatt  
120gcacagaaat cagagcctca tcccttatt agtgaagcat tgatgaggag agcagcgtct  
180ttggtaacag atagcacctc tacctttctc tctcagacca catatgcgtt gattgaagct  
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383

<210> 2305<211> 379<212> DNA<213> Homo sapien

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120cagctccaca tctttggaag ctgattttgg ggagagagaa gctctacccc agacttaata  
180ccccattgaaa ttccacctca ggtgttgtgt cctgtgtctg gttaagtgtc ccatggaagg  
240ggaaagcctt cacgtcagaa cccaacctta taccttttac ttcttaaagt gtgctaacca  
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379

<210> 2306<211> 154<212> DNA<213> Homo sapien

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154

<210> 2307<211> 384<212> DNA<213> Homo sapien

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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaatcc  
180tttttttaat gtagtagggt ttatatagat atactaatat aattgcattt ggagaattag  
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt  
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384

<210> 2308<211> 384<212> DNA<213> Homo sapien

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120cctgagcaac aagagcgaaa caaaaacaaa caaacaacaa aaaaaaaccc acccaaatcc  
180tttttttaat gtagtagggt ttatatagat atactaatat aattgcattt ggagaattag  
240agtatgtatg gagccacac atactgtgat ataaagtgt tatacagata ttggatatt  
300ttctagtttg catgatgatt aagagaacca gatgggaaaa tacaatctcc aaagtgatgt  
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384

<210> 2309<211> 379<212> DNA<213> Homo sapien

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120caacccggcc gtgggggctc ccaggctggc cccccgcaca cggactcgtc ctgcttgctc  
180acgcctccca gcactccact tggccctgag cctggggacc ccgactggcc agagtccggc  
240ggcccctgtg gaaaagcgct cccagagagg cagaggaatg gaccagcgg cctccggggg  
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360cgcagctcca gcaccgagg

379

<210> 2310<211> 380<212> DNA<213> Homo sapien

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120ggaaagactg ttctggcatc agatacacac cagcgaattc ggggctataa cttcgaggac  
180cttacagata ggaacatagt acaagaagat catcctatta tgccttttac tatttcaaaa  
240aatggccgat tagctttgtt aatgtagca actcaggagg ttcatttatg ggacttgcaa  
300gacagagttt tagtaagaaa gtatcaagggt gttacacaag ggttttatac aattcattca  
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380

<210> 2311<211> 380<212> DNA<213> Homo sapien

cgttgctgtc ggcacttctc cctaagccct ctctggggcg aagctactcc tgccctgatc  
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120cacggccgcg gcggcacact gtgggtggtg gggaaatggc ccgagccccg ccacccccctc  
180ggccctgtct ccggaagag gtcttccctc tcggaggagt gggagcctcc ccttctctca  
240ccacatcttg ctctccacg gcatccactt ccttctccga accagcagaa cccagggttg  
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380

<210> 2312<211> 378<212> DNA<213> Homo sapien

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120agccccatag ataacaataa acaatgttaa atatgcgaat gacagaattg aaagtcatct  
180aatgcaactt catcaaagggt gagtcaggct tggattgac aaaagaaaga ggaaactca  
240cagtgaagtt gtggagtcca tttatgtagt tatgtgttct acctttttta attgtagtaa  
300actgagtttg ggatagattg attctttcat acattctact ccagttagta gatattaaat  
360atatacatat attttatg  
378

<210> 2313<211> 152<212> DNA<213> Homo sapien

catgatatcc tgaaacccac ggcaggaaact gaacctggta aagagaataa ggagtttggc  
60ctgagaaaaag caaactcttg cattctcaga caatgaggta gatcagttac cctacttcac  
120agcataagag gggaatgtgc tctcagcatt tg  
152

<210> 2314<211> 377<212> DNA<213> Homo sapien

ggcacgagggc aacctctgcc tccagggttc aagtgttct cctgcctcag cttccccaat  
60agctgggact acagggtgtc gccaccactc ccagctaatt tttgtatttt tagtagagac  
120aggggttttg catgttggtc aggtgtgtct cggaactcct gacctcaggt gatccaccgc  
180cctctgcctc acaaagtgtc gggattacag gcatgagcta ccgtgcctgg cctaaacctt  
240acgcttttga ggttgagtgc aggccttggtg ataactaagt gctacttttg acgagccttc  
300aacaagctgc ccagtcctct cctcagcaga cgcacaggt tgtagttgca tctttacagt  
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377

<210> 2315<211> 377<212> DNA<213> Homo sapien

ccgagttgaa tcttctaagc gcaagtctgc aaaggagaaa aagtcctctt ctaaggatag  
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120tgaggcacc tctcaagata caaaagcatc tgagagctcg aagccatggc cagatgccac  
180ctacggcact ggttctgcat cacgggctc agcagtttct gagctgagtc ctcgggagcg  
240aagcccagct ctcaaaagcc ccctccagtc tgtgggtggtg aggcggcggt caccctgctc  
300tagccccgtg ccaaaacta gtctctccact ttccagcaca tcccagatgg gctcaactct  
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377

<210> 2316<211> 153<212> DNA<213> Homo sapien

ctaaatcttt tcttttctgct tctccttaaa ttgattgtac ttccaaatct gctgttatga  
60ttttttctta atactgtgat ctatctgac tgcagacaag aaccttgtct ctgttgaaga  
120gcatcaaggg gagattatgt acacattgaa atg  
153

<210> 2317<211> 376<212> DNA<213> Homo sapien

ggcacgaggt gtgttctgt tgtggctaac ttaagaagc gngtttctc agaattgata  
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120gcacagaaat cagagcctca ttccttagt agtgaagcat tgatgaggag agcagtgctt  
180tttgtaacag atagcacctc tacctttctc ttcagacca catatgcgtt gattgaagct  
240attactgaat atactaaggg tgtttatacc ttaacttctc ttaccgaca atatacaagt  
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360agagctgaga tgactt  
376

<210> 2318<211> 378<212> DNA<213> Homo sapien

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180acgtccaagc caccccccttc ccacaacccc tgttccctctg gggaatacac tgtttttgca  
240ctttacctcc ctaccagcag ctctttccag attgcagggg cgagctggtg ggaagcttgc  
300agattgtttc gcactgccgt gtaatctgtg tgcttgacac tggggtctgt tcttccctga  
360gttggtacag tgaatat

378

&lt;210&gt; 2319&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgagcantc gttttttgtt cgtgcttttc cctttttacc cccttttttg aagggttaagg  
60aggcggagcc cctatttttt actggcgggg ggggcctttt aggggttttt aacccccctt  
120gccccctttt taaaaaaaaa cgtttttttt ggggcttggg aaacttcgaa aaaatttttt  
180tttaaaaaaaa ggggcctggt ttggaaccgt tttttccca aaggaccggg gcggaaaaaa  
240aacttttacc ttggtccaaa aaaaaaagg gaaaccctgg cccttcttag ggggaaaaaa  
300ggcccgcgcc ctaaaaaacc cgggggggta cttttttttt aaaatcaacc ccttgatgat  
360ggggggagac ccc

373

&lt;210&gt; 2320&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ttgaagtttg ttaatggagt gacttgggcc caggaccag gaagttaagc  
60agtcctcca cttcacccag ataacattga aaactccggg tgctgaccag ttttctgccc  
120ccactccttt ccagctgtc accttctga gagtagaggt ctgagatgtc cagggtgtag  
180atgggagaaa gcctggagag gagaagcaag agtcttctat aatctctaga taatcagtag  
240cttagctaat tgaataaaga actgaataaa tgattttaat tgaaatattg ccatggtaat  
300gctagtgttg taataaagat gtggcatgtc aggaggaaag tgcaaccgat atttgggtct  
360cctcaaattg ttagtct

377

&lt;210&gt; 2321&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgtagt ccagctact ggggaggctg aggcaggaga atcccttgaa ccaggaagg  
60ggaggttgca gtgaactgag attgagccac tgcactccag cctgtgtgat acagtgagac  
120tcctgcttga agagaaaaaa aaagtgggg gggctgggtt ggaatcataa acataaatat  
180tgaaagtgtt ggtgacctt aatactacaa ttgtgtggtc tgcagtcggg gagcatagag  
240atgggacctg gtatttaata ggttgtggtt gcaatcagca tggcctgagg gcccaggaag  
300atcacacagc tgacacctt cctgctttcc ttccagttac tctgacctc catgtctgac  
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377

&lt;210&gt; 2322&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcgttgct gtcgggggct gcccatcacc ttctattctg ctgggatcag gttttcttag  
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120tcagaagag gactgggcac cactctcacc cagaggcccg tcctgagagg caagtgaggc  
180tgtgtctgt gcctgggtc cccaggttg cacctgtcgg tctgtggacc tgggtgaggc  
240aaggatgccc atctggacat ggagccgaca caggtagtca gggggccagc gggacgctta  
300ccaacagctg tctttcccc acctcagaat agcattcctt tcgaacacca cggcaagtag  
360ctgtctgtc cct

373

&lt;210&gt; 2323&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggggcgttcc tgtcggggtt gcagcggcgg gagggagccc agtggaggcg  
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120gtaacaccac tgtgcccaat gccccccagg ccaacagcga ctccatggtg ggctatgtgt  
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240agaagaaaaa gcgggtggac cggtgcgcc atcacctgtc ccccatgtac agctatgacc  
300cagctgagga actgcatgag gctgagcagg agctgtcttc tgacatggga gacccaagg  
360tggtacatgg ctggc

375

&lt;210&gt; 2324&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcagctca cggaattgtc atgagatggg gtgttcccag tcatgcccc  
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120tgtgggcttc cctgagtgc ctgagtggg tggcagaagg ggtgagaggc catggcgtct  
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377  
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180cttgtagtca gaaacttgaa agagagaata accgttgtaa catcagtcac agcattatct  
240taaatagtga agatggagaa atattcaata atgaagagca tgaatatgca tcgaaaaaaaa  
300ccatttttaga aatgacacaa atactcaaaa ggcatggcta ttgcaccttg 360ggagaagcct  
ttaatcg 377  
<210> 2326<211> 368<212> DNA<213> Homo sapien  
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120gacattggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac  
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt  
240ccacatggcc aataaaaagtg aggggctaca aggtgagatc caggggccag agttatcaaa  
300gtgatacagc acttttagga ataggacagg gaatggagga attggaattc cagtattact  
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<210> 2327<211> 372<212> DNA<213> Homo sapien  
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120gacattggtt tgactggaat tatcttcttg ttaggtctta ggaatctcct tccaggtaac  
180tttttctatg attagacaat tgatttggtc agggtcacag agcaaagtcc acatttaatt  
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150  
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180caagcccggt tcttcaagg gattctcaga aaccacttc cccactgcag tcagcaggag  
240accatttggg agaagaacta gatctgttgc ttaattttaga tgcacctata aaagagggag  
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120ttctttcttg aacctcagag ctgtatgtcc aactgcctgc ttacttcagt atctccactt  
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240tctaccaca gctttcccca tctcagttga aggcagcgcc atctccact cctatcgctc  
300aggacagaaa cctcaggtt gtccttggt ctttctctca gctctgctc ctaaaatagt  
360ccatcatcca cn 372  
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180tgggtgactt taatggctgg ccacataccc ctttctccca gctactcatt cactgacttg  
240ggtaagttct aagacagttc gcacttagaa aagaatgtga cacatcaaca ttaacttttc  
300ctgaaaagaa gagtttgctt aacatgggtcc taaagaagct tggaatttat aagactttcc  
360tttataa

367

&lt;210&gt; 2332&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggact tggcaccctc tgtgccctgg ggcccctgcc cagctggctg  
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120agggagtgcg atcccacggc agtgggcagt cctgtcccgc gagcccggcc ctgactctga  
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240cgggggggggc ggccatgctg ggcagcccac acaagccact gtcacctgct gtcgccacct  
300ggccgaccct ggttgattgg ggaatgctgt cagccccgca gccctgtgg ccatagctgg  
360ggcccg

367

&lt;210&gt; 2333&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgtc gatctttctg tgttttttta tactctttta gggttggctt tttacaaacc  
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240gaattaacta tttattaca gtgagctcat ctcttaaaaa ttgttcaggt gtaaatctta  
300tgagaaacat gaaaaagcac actgatttat ggagagttga gctaaaaaca tttataaata  
360tttg

364

&lt;210&gt; 2334&lt;211&gt; 366&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggcat cttttatgta cacttgtcta ttcagacaag atcctcatga  
60tttcagaaaa aatatagaga gggccttaga ctgcttaata gaggaagaa gtatcctgga  
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366

&lt;210&gt; 2335&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac ccgggaggca gagcttgctg tgagccaaga tcaagtcact gcactccagc  
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120aaaaaattcc ggggggcttt tcaaaaaaga tctttagggg gaaaaaatt ttttaacca  
180agacccaaac ctaaaacccc caaaaggga aaccggacaa acttggtccc tggttttttg  
240gggaaaaaca accttccggt taaaaacca aatggggggc ggggggtttt ctgcccggaa  
300ccccaccat ttgggggggc aggggcaacc ccccttttg gcctaggagt gggaaacccc  
360ccgg

364

&lt;210&gt; 2336&lt;211&gt; 147&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcggtgtac gttcccatat ccaaatttgg aagaaaccac aaggctgcct ctgactgagg  
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120actccatatg actgcttgat gaccacn

147

&lt;210&gt; 2337&lt;211&gt; 359&lt;212&gt; DNA&lt;213&gt; Homo sapien

actactgctg cgagaatacc acagaagggt ttcgcggcaa gaatatacgg aaggggaggg  
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120tagaaaaaag agaaattctt tttatacaat ataagttcct gcagaatgca gacactttct  
180acttctccag gctcttttca actcctctcc tactagcttc tgtatttaag ccacattaga  
240ccttttctca gttttttata tagactttgt tgcacacac ctgagagatt ctgtgcatgt  
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359

&lt;210&gt; 2338&lt;211&gt; 144&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcattttgat aactagcttt ccaggtggac ttagccatag gaaaatatta ctaatgtaat

60ttaacaaatt gctgcatgta tttcatttaa aaatatgctt aaaatgtcct aaaacaaata  
120attatctccc taagaggatg catt  
144

<210> 2339<211> 342<212> DNA<213> Homo sapien  
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342

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188

<210> 2341<211> 460<212> DNA<213> Homo sapien  
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360ttgctttttt gcttctagga aaatattctg attatgatat gtgatatgtt ggctactcaa  
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460

<210> 2342<211> 465<212> DNA<213> Homo sapien  
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360cagctgttta ttttatttc aatctcttct gttaaactat aacacactga ttgagcaact  
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465

<210> 2343<211> 466<212> DNA<213> Homo sapien  
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360ggagaactcg gaggaagagg agtgcaggg agcagccgcg gctgtgggcc ctgccatgtg  
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466

<210> 2344<211> 453<212> DNA<213> Homo sapien  
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300catacaggaa ttttctgtg gtggaggcaa gttgggtcaat gctgcatgat gagaggccat  
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453

<210> 2345<211> 423<212> DNA<213> Homo sapien  
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120ctggtacctc ttcctattct ttattctatt cgattccatt tctgtgattc ttttattacc  
180actgatgttt tgcgatagtt aactatgata aatttaactg atcatgattt atcttctaga  
240gtattttaa atgtatgag tgaccaccca attccaacat taaaagtgtg atctgggccc  
300ataatttata gtgaaattgt atcaaaacat agggaaactg tattactggc cattttgaaa  
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423

<210> 2346<211> 425<212> DNA<213> Homo sapien  
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120ttaatatgtt agactgttca tatagatata ttgtgtttac aacaaggaaa aaatgccacc  
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300taattacttt tcttggagaa gaaaaaaat gctacagctg caacaaatgt atagttttca  
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425

<210> 2347<211> 429<212> DNA<213> Homo sapien  
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120caacttaaga ctttttttagc atctgtatag ttgtatttca atttgagacc tttctatgg  
180gaagctcagt aatttttatt aaaagattgc cattgctatt catgtaaac atggaaaaaa  
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429

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120tagactgtaa gctccctgaa ggcaagaatc ctgtgcttat gtcgaatatt agctctccct  
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240gtaccagtga catgcagtaa ctgctaagat agatgagcca tctgtatgct ctgacagtta  
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425

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180gactcccatg ctgctgttgg ctccatctct ccacactgcc tctttctttt caacttttgg  
240cccttctctt ctttaaagct attctcatat tgcttttatt tcttctctct tcacctcaa  
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423

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300accagaatcg aagtttcctg attcatattt taatgttttg aaatttatac tccagggtcg  
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425

<210> 2351<211> 429<212> DNA<213> Homo sapien

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120acgctgggccc agcaagccag ggtttggttg gtgcgggtgc tgctcaacct gctgggtggtc  
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429

<210> 2352<211> 428<212> DNA<213> Homo sapien

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300gtcttatcac agaaggcagc caccatttca ccaaaacaaa agttcacggc attcaattcc  
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428

<210> 2353<211> 432<212> DNA<213> Homo sapien

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432

<210> 2354<211> 437<212> DNA<213> Homo sapien

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437

<210> 2355<211> 431<212> DNA<213> Homo sapien

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431

<210> 2356<211> 427<212> DNA<213> Homo sapien

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427

&lt;210&gt; 2357&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

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427

&lt;210&gt; 2358&lt;211&gt; 439&lt;212&gt; DNA&lt;213&gt; Homo sapien

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439

&lt;210&gt; 2359&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

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429

&lt;210&gt; 2360&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

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420gagg

424

&lt;210&gt; 2361&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

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415  
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413  
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422  
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414  
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405  
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406  
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360ggcgcatgcc tgaagcccca gctactcggg aggctgaggc ggaagt

406

&lt;210&gt; 2368&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

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240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag  
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407

&lt;210&gt; 2369&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

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240gattatttca taatccctta tacatgagcc aatgaaatat tttgagctct acttaagaag  
300catgaagtct atattataaa tctaaacaac aaaagcactt gtaacttggt tagtaaattc  
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407

&lt;210&gt; 2370&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagac aattccgggg taaattaatt tcttagaaat gtttcagaga ataatacttt  
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120aagaaaatag agatcagaga aatcaaagat tattattaaa ttacatttct tttggtatct  
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240ttatctaaaa cctgctatga ccaagactgg gtgaggaact ggagacatag ctattaaaaa  
300aaatagtatt tatatttata aatgatgaaa caaaaagaaa aaatagaagg tgaatcggt  
360ggtaaaaaga gacaaatagac taccagccaa tctcaatgtg tgaaccn

407

&lt;210&gt; 2371&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnnnnnnctt taatcccagc actttgggag gctgttgctg atggatcgcc tgaggttggt  
60agttcgagac cagcctggcc agcatgggtga aacctgtct ctactaaaaa tacaaaaatt  
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360agctgtaatt tccagagaga ccattaggaa caggtagcat ctatttttct ccattattta  
420tt

422

&lt;210&gt; 2372&lt;211&gt; 168&lt;212&gt; DNA&lt;213&gt; Homo sapien

taaaggactt aaacacctat gcgcgatgat aaagagggtg ctattatagc gcttggaaaa  
60taccaggaag ttgagagagt taacagaagg gcgcagctg gattggccac aaaatcgaat  
120tactgaggcc actactgatt aggacactta tggagaacgt gggtagca

168

&lt;210&gt; 2373&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc gatagatatg tatgtttgca tataggcaca ttagctgga tgaagttaga  
60tttaaatggt ccaatagaga actgtgcata caattacata ggcaaccaca aatcaacctt  
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300aggtgtgaat ctactctgaa ggacaggcaa gagtccagcc cagggaaaaa ggtgcagatg  
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410

&lt;210&gt; 2374&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

caagagactg acccttgaag ctactggct gcatgggagg atatgggtgt tgaaaaacat  
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120gattttggag gcagaccgcc tgggatttaa aactttgctc tactactttc gagccatgtg

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360tacagtgtag ccacttgata gcatctgaag ggatcattac cttgctatat ccaacaaatg  
420tg

422

&lt;210&gt; 2375&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cagtcattgag gatgggtgtcc tggagtcttg tccaccctct ccatacaagt  
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120attcaaacag agccttttct gtctgtaga taatctacat gttttagtaa ttattttgaa  
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240ctgaaaagat gctggatagg ctaccaaagt tcccaagtgg tagataattc agaagacttg  
300tttgaatttg gatttttttt ttttttgagg gggggaaggg tataaggggg gctaaaaatt  
360tgaatcctta ttatttttat ttacgggaga atttacacca tctccg

406

&lt;210&gt; 2376&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

acatgatctt tatgcaggat cccatcgaga tcgcttttac cacggccata tggccagata  
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180gaaaaaaaaa atgggttcct aggaagagggt agtaggttgc atagtttttag ggcagggatt  
240ttgcccacaa ggaggaaact atacgacctg ctgcctttct tagggcctta ttattcaccg  
300ataacctgtt tccttgctac tttgcttttg tgtaagcaga gttctttctg taggtttttt  
360caaatgaaaa cattgcacga atatcaaaga gagcagtgtt tgcgttagtg attataaact  
420

&lt;210&gt; 2377&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcacgagc aaagagggtt ttctacatac acagaagcag ttcaacttct caagttaatt  
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180gctggaagca tcaaaagtcc ctctgtatga cccggtgtgg gaaagagggt tgccaggatg  
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300acaataagaa caaaactgta gggctctaaa gagagggggg ggtttacaag tttattgagc  
360atttactagg aagtgcacat gcgatgacct ctglacatga gttaggttca ctttcattgtg  
420

&lt;210&gt; 2378&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

cccaggcact gtactaattt ctgaggattc ttttgtgatc tcaaacagat atataagcct  
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240tttttggcac cgaaagtgtg atgaactata ctttttaaga attgctagct ttgtttttct  
300cttataatct aaagggaaat atgtccactt gaactgaaac aactaagcac aatatataga  
360acttttactt cccactcttt tgtacttagg tcagngatgt tgcaatatct n  
411

&lt;210&gt; 2379&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcacagagcc aagactcaat tcaggaccgt ggattcccct ggtctagaaa  
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120gagtcatttg ctgggcccac acctagtttc cttgggtataa ttttaggata attgtttaag  
180tggaactat tcattcagta agtagtaagt acttattgtt tgcttgtttc attatgaaag  
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300agtcccaacc ttctgtaaca taaccactct tggcattggc gtgttccttt ctagtctctc  
360tgtaaacggn gtgtgtgagt gtgtgggttt aactntgggt ggcctcatg  
409

&lt;210&gt; 2380&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggt ttattccctc ctgcatcatt tccataattt gcttttgtag tgtcaattta  
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300agattgagcc atggggatgg ttttaggttaa agaattgcttt tttttggcca tcatgaggat  
360ctaacaacag agtagaagga aggatgccct aggtcagcat gcaggggtgg g

411

&lt;210&gt; 2381&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcaaattca gttcagtttc tggatcatcaa aaaatcaatc tgttttaaga tctagtctta  
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120ttcagttttt tcattgttat attgccccaa accattcttg ctatatatat ttttaaaaga  
180agccatttgc atgtccttta gtggtagaat agaaatttgg ttaaaattgg atgacattta  
240ctttaattat cttcaaagta tgatgaattt ttcattgtgt gaattgtgtg tctgataatt  
300tttttaggaaa caacactcca ctagagagcg tagaatctta gaattcatct acttcattct  
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417

&lt;210&gt; 2382&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agagggatga tctagcctct gctccagaag gatctgtctg  
60gctgccatgt gggggacatg gagtggagca aagacaggag cccagtgaaga gtcgagggag  
120aggtgacctc agcttgggct gcggtgcagg ccatgggact ggcaggaggc ggctgggggt  
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240tgctataaag ggctgggtgg ctttcttccc cacagctact cagcctaata ccattgcaga  
300gcacatgtag ccatggacaa cacaaggggc gtatccgtgt tccaggacag ccatattgac  
360aggaataggc acgaggccag atttggctct caggctgtaa tttcttgccc

410

&lt;210&gt; 2383&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gtccaatcca ttatctagtt ttctgttctt atcttacttg tctgccccg  
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120ggtaactgagc tccctgttaa ctttctttac tcttggtttt agcatttcca tttccttgaa  
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414

&lt;210&gt; 2384&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gtttctcttc tgggctatgt gcgctctaa ggagttcaca cactttaacc  
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120agtgggggag ccacagttcc agcccagggtg tcaactgggccc ctgcctgccc cagccagctc  
180ctcaggagca caggccaccc cagctgcgtg caggggacag ctgtcctcac aggaacagcc  
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300aagccccgga gtcaggagac acagggcagc tggagggagg tctttactga ggctactgag  
360gcacagcagc cccgtctaga ggctccccg agaggcactt cctgaggagt ctgggtg

416

&lt;210&gt; 2385&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagat attcctttgt gagaaaagtt ttgatcttta gcctagaatg atgcgtaaaa  
60gaaataaaga taattctact gcttgttctc acccggttac aaagcatgag tttgaagaca  
120ataagtgcct tgtccacatt ttgcgagaga caacagtaaa atactccaaa atacgttctt  
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240aagatgagtg cttttatgcc catagtcttg tggaaactgaa agtctggata atgcaaaatg  
300aaacagggtat ctacatgat gctattgtct aagagtctaa acgatattgg cagaatttgg  
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405

&lt;210&gt; 2386&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120cagttcgtga ggcagatta cagggaaaca aaactgaagc tgaaaggcac ctagtgtacg  
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416  
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120cggacgcgtc acaacgggaa ggcagacccc atgaagactg cgctgcccc gagagccagc  
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411  
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411  
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417  
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413  
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407  
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405

<210> 2393<211> 411<212> DNA<213> Homo sapien

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411

<210> 2394<211> 411<212> DNA<213> Homo sapien

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411

<210> 2395<211> 406<212> DNA<213> Homo sapien

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120cctagaaatc aatgacccaa acgtcatttc acaagaggaa gcagatagtc cttcagatag  
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406

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415

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407

<210> 2398<211> 409<212> DNA<213> Homo sapien

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120gtgtcttctc caagaacccc tggtgccctc ccaaggccgg tgctgtgtac ctctccccg  
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240gccgctggtg cagtggctcg tcccctctgc cggggtgggc cctcgggtt tcgcgtgtcc  
300tcgggaaaga gactggcggc accctgatct gcactccctg aggggctccc actgtccgcg  
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409

<210> 2399<211> 410<212> DNA<213> Homo sapien

ggcacgagcc agacatgatg aagtacattg agacagagct aaagaagagg aaagggatcg

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120cagaaaaacat ccgtgtttcc tcagcaaaga agaccgagga gatgctttcc aaccagatgc  
180tgagtggcat tcttgaggtg gacctgggca tcgatgctaa aataaaaaat atcattttcca  
240cggaggatgc caaggcccggt ctgctggcag agcagcagaa caagaagaaa gacagcgaga  
300cctccttcgt gcctaccaac atggctgtga attatgtgca gcacaacaga ttttatcatg  
360aggagctcaa cgcgcccata cggagaaaca aagaagatgc ccaggcccg  
410

<210> 2400<211> 412<212> DNA<213> Homo sapien

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60aaagaaagat gcgtgctgaa aagagaaaaa agaatgcccc aaaggaggcc agcaggctta  
120aaagtattct caaactagac ggtgatgttt taatgaaaga tgttcaagag atagcaactg  
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240aagatgacat gaaaatggag actgatatta agagaaacaa aaagactctt ctagaccagc  
300atggacagta cccaatatgg atgaacccaa ggcaaagaaa aaggctgaag gcaaagcgag  
360agaaaagaaa ggggaaaagc aaagcataag cagtgaaggt ggcaaagggt tt  
412

<210> 2401<211> 405<212> DNA<213> Homo sapien

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120agaccccgcc ttctcgggtc tgcagaggggt cggggcggtt gacgtgtcct tcgtgaaagg  
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240tcttgtggat ggaaacgggg tactccacca ccgaggcttt ggggtggcct gccaccttg  
300cgctcctaca gacctgccgt gtgttggggt ggccaagaaa cttctgcagg tggatgggct  
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405

<210> 2402<211> 421<212> DNA<213> Homo sapien

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120atatgtagat gcactattaa aggaatttga gcagttaaac aggaggctaa atgaagtctc  
180taagagagtt cgcataccct tgcctgtgtc taatatactt tgggaacatt gtatacgatt  
240ggctaattcga actattgtag aaggatatgc caatgtcaag aaatgcagta atgaggtcgt  
300tgccctgatg caattggatt ttcaacagtt tttaatgaaa cttgaaaaac taacagatat  
360tagaccatt cctgataaag aatttgtaga aacttatatt anagcttatt acctaactga  
420g  
421

<210> 2403<211> 408<212> DNA<213> Homo sapien

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120ggaattgtta caaaaccaat caaaggagct caaaaaggag gagcagctgg tttcttttaa  
180ggtgttgga aaggttttagt aggagcggta gcaaggccaa ctggaggcat catagacatg  
240gctagcagta catttcaggg gataaaaaga gctacagaga cttctgaagt ggagagtctg  
300cgacctcctc ggttcttcaa tgaagatgga gttatcagac cgtacaggtt gagggatggg  
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408

<210> 2404<211> 411<212> DNA<213> Homo sapien

ggcacgagca tggctttccc tgagccaaag ccgcggcctc cagagctgcc gcagaaacgg  
60ttgaagacgc tggactgcgg gcagggggca gtgcgagccg tacgatttaa tgtggatggc  
120aattactgcc tgacgtgcgg cagtgcacag acgctgaagc tgtggaaccc gcttcggggg  
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240gacaacagta gtctctgctc cggcggcggg gacaaggcgg tggttctgtg ggatgtggca  
300tcagggcagg tcgtgcgcaa attccggggc cacgcaggga aggtgaacac ggtgcagttt  
360aatgaagagg ccacagttat cctgtccggc tctattgatt ccagtatccg c  
411

<210> 2405<211> 397<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagaga gagatatgag agagagagag agagagagag  
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120agagagcgcg cgcgcgcgct ctctagagtg tgttttctct ctcccgtca tttacgcccc  
180cccccgcggc gcaccccccc cggggggggg gggccctctc tcttctctgg ggggagtttc  
240tgcgacacac cacgcgagag tctctgtttt tttttgcac gcgctctcgc cctctgtct  
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360atgtgtctat gtgtttgcgc gctatattat agagctc  
397  
<210> 2406<211> 402<212> DNA<213> Homo sapien  
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120gaggcaggag aatcacgtga acatgggagg cggagggttg ggtgagctga gatcacgcca  
180ttgtacgcca gcttgggcaa cagagcaaga ctccagctca aaaaaaaaaa gggggggaaa  
240tttttgtgaa ggggtttttt ttttttcgaa aaaaatgttt gggggacctt ccgagagctc  
300acaaattttg atgaacgtta aaaagcctag tttgaggcgg ggcggggggg ttatgcgcat  
360gtccccaccc tttttggagg ccaagggggt ggggaaccacc ca  
402  
<210> 2407<211> 390<212> DNA<213> Homo sapien  
ggcacgagtc ccagctacag gaggctgagg caggagaatt gcttgaaccc aggaggtgga  
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120gtctcaaaaa aaaataaatg aataaaaaat aaaacagcaa ctcttcgaga tttcccgaat  
180gtattggtcc cagagaacac tgaaaataat gtcattgttg taacaccagt gggagtttgg  
240gaaataattc cagctcttta atacttctt cagcttcaga ttaagtgaat tgagtttcac  
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360acatctgtga gatagtgggc aatgctactg  
390  
<210> 2408<211> 392<212> DNA<213> Homo sapien  
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120agaaaaataaa tcacctagaa actataaata gaaatgtgct gctgaggctg ggcacgggtg  
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240gtttgagaca agcctggtca acatgggtgaa acgctgtct tactaacaat acaaaaaaaa  
300ttacccaggt acattggcac atgcttttaa tcccagctaa tcaggaggct gaggcacgag  
360aattgctcga acccaggcgg cagagcttgc an  
392  
<210> 2409<211> 385<212> DNA<213> Homo sapien  
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120aacaacaac attgcgaaaa gtcaacctgt cactctttag gaaagtttgc ggcattgaaa  
180ggcaattacc caaatgactt tttaaaagta tgaaaatttg cctggctgaa cgttttttac  
240ttaatgccgt gagttaacat taataactat tcctagctta gtgagctggg cttgaggggg  
300gattagaaa catttggtat ctctggcagg gacagatgtt gacctggacg gtcggcggct  
360tttacaacc taaggactat agggg  
385  
<210> 2410<211> 404<212> DNA<213> Homo sapien  
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60tggtcacaaa gaaggaatag cagagctgtg aatgagttag tggaggctag tcacatcaca  
120gttcatgacc tagcgattgc tggtagagta atattggaat tttggtacca tgagaagact  
180tataaaggat ttcacagaa gttttcattt tttctaaatc ctcccctact caattttcac  
240attggaaatt actcttgtat ttgtagaaga ttgtctctaa aattgtggtt taactcacgc  
300aggaagtaag attcctatag caagacatag tttcatttta gaggaccccc aaaatccggt  
360gaattctctg gtgatgattc tagcctaacc ttcaacataa aata  
404  
<210> 2411<211> 403<212> DNA<213> Homo sapien  
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120agtttccggt ttgcaaggcc taggtgactt tttcatgggt tttgtatgt tagctctttt  
180gaaaaggaat tttgaaatct ccatcaactg aagtaaatga tgtctgagt ttacagtaaa



240gggtgaccaag tctctttctt aaagtcacaa tgactaaagt attagttgaa tttttttttt  
300ttttttgagg gagcctcgct ttgtccccag gctggagggc agaaccacaa tcacggctca  
360ctgcaatctt tgcctcccgg tttcaaggga ttctgctgtc taa

403

&lt;210&gt; 2412&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcatttgtga gaaagatgtc cctttcataa tatatgcagt atattccaga  
60tgttttgaga gattacagaa taggaggcct gctccacttg cagataagtt tattataatt  
120ctccagaaat gtgcaggatg tgcattagca aattgcactg tacttttcac tccagcctgg  
180gggacagagc aagactcccc tctcgggggc ttaaaaaaaa aaaaatgctg tttctaaagg  
240aatctgagta tcttggggccc aaatgtgggt ttgtcccaat ttatttaaaa agggcttggt  
300tcaaacgaat agggggcccta taggcaaagc ccttatattt tttaaaacga attttctgga  
360gtgggttttc attttaata agaact

386

&lt;210&gt; 2413&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgtc ggactttgca agatttttta aaaataaaaag gaggtatacc acctccttgc  
60tttggtatctt ttacaaaatg ttatacttta tggatataaa ggtgataaag attggaaata  
120aatcttctaa atatgtaaaa tgaaagcaac agcaacagca aacacaatta tctgattctt  
180tgggagtaac aaatactgggt tttcatttta aaactaagga aaattttatc agtacttaaa  
240ttcaatccaa aaaagggtttt ataacaccca aactgtacat ttaaaattat gctttcttaa  
300ggtaaatggct agcattacct agttttagt tttcttgagc tgtaactttt tataactgaa  
360tcatttcagt gatthagggc tgtctcgtag ttggggaaga gaaa

404

&lt;210&gt; 2414&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaacatggga agcactgcag tttagtagtc ctggtcccta agcccttcca  
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120cttgagtctt ctacagcttg ggcatgcacc tcagggggag ccagcatcag tgtccagccc  
180caagagcttc cctgtacgtc tcagttagtc ttcacatgcc tccaactgcc tggacaacca  
240cacgtgatac ctgtcctgcc aaacgtgtcc tgaaccata aaatccagag aaaagaaaaat  
300cgtttttaaac tgctgaggtt tggggttaagt tactatgaag cagtagtgag aagaacagaa  
360gggccatgat ggggagaaaag tttggccc

388

&lt;210&gt; 2415&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctaaacgca gataacgtaa gagtaacaag aaactaaatc aaggagcatt  
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120atttactgca attccagcca aaatgtttca ggggattttt ttgttcgttg ttattgctt  
180tggttttgccc tttagcttca cagggttggt ctgaaattta tgaggaataa attcttacga  
240gcagcacgaa aaatttcgaa tctatttgta gaaactgcat atgatgatgg ttcatactca  
300gagagagaaa gattggattt ggtggtatta ctagaagttc agggactcac taatagtcag  
360gcgagtgcac aattaaatca cattgaact

389

&lt;210&gt; 2416&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag ggaatcccc caactcataa attataaaaa tgacacttcc aagccatcaa  
60tgaaggaagt gtcattcatta agtggttagt gcaatataac aaagtgttta caaacaac  
120accatccaac ataccccaa atgctccttt ttggttgta tacagttga aaaaagccta  
180cagttagcta tcaattcctt acagcaatga agtactaagc taaacaatgc attcagaaat  
240ttcttaggcc aaatcctgac agtataccaa ctacgagttg gtaaacactg tttttaatcc  
300tgctgaagaa gagaaacgcg aacaccaagt aaaacttact ataaactaca aatatttcaa  
360tatttacact caatatgagt tcgacacagt agtataan

398

&lt;210&gt; 2417&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gcacttgccc atctcttatt tctctacaat aaggaatact tcctccttat  
60ttgtaattcc taaaactaga ctaaatttta tgtacatag tattcattca tttctttatt  
120ttagtttggt gatttaagaa tattccaca agttaacaa tgaaagtgat agttatatta  
180cagatatgaa tgactaatta ttctgccc caacctacat cttttcccc ccagcttaat  
240ggagggtttt ttgacaaaca aaaattatat atacttgcac ccagtcataa aaaagaatga  
300gatcatgtcc ctgacagggc catggatgga gctggaggcc attatcctta gcagactaac

360acaggaacag aaaaccaaact actgcatg

388

<210> 2418<211> 387<212> DNA<213> Homo sapien

cgcttgctgtc ggggtgaact ttttatacta tactttttaca gatagaaatg aaagtactta  
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120taaaattgaaa cttaagttag tcttcaggct ttttaagggt ttcaaatttg aactggaatg  
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240tacattctaa gcgtctgtat ctccatctat ttttcttttt tttttttttt ttgaaaaaa  
300aaattttgtt ttgacacca ggctgggggg gcgggggtta attctggctt cttgaaaaat  
360ccggcctcca gggttaaacc ttttctt

387

<210> 2419<211> 385<212> DNA<213> Homo sapien

tcaattcggc acgaggtccc ttgttgccat tctgaatctg aatgctcttg tggctggaca  
60actggactca gctaataagg catttctgat gcttttgtgt tcttatgcaa ggatggacct  
120tttccagcat tgtaaatgac agcaggaaat actcaatggg ccacaggaaa taattaacat  
180catctgggat agactgactc acaagttaaa agtaaggact ttaaaatctg acctgggaat  
240taaatctagt tctaacatat gttgattctg tggattagac gaggttctta gtccctctga  
300gtccacttc tctcactgag ttgttggtgaa ggtgaaatga gaacatgttt gctattagct  
360aagcatagtc tttggctagt agaga

385

<210> 2420<211> 389<212> DNA<213> Homo sapien

ggcacgagct tgaacttctg accccaaatg atctgcctgc cttggcctcc caaagtgttg  
60ggattacagg cgtgagccac tgcgcccagc cttgaggtag catactttct gaaataaaaa  
120agtagattat gtccgaagca gttgacctaa aaactgcctt ggactgacat ttgttaggtg  
180gtctaagatg ttctcttcac gctttgcaaa aaaatgagct tttttggagt ttaaatagg  
240catccctctg gtgtgttttg ttttttagcc accaaaaatt taacaaattt gataacctgt  
300cacgtgtaag ttcagaaagc actttgggtct taattggtga cttgggggtt atttgggtata  
360aatataggat ctttttctaa aaattattg

389

<210> 2421<211> 161<212> DNA<213> Homo sapien

gaatgttccg gtcggtcttc agcataagct gaaatatatg catgtaaaaa ctttgacatc  
60ttttttttta attttccact ttcttcttaa ctttacttct ctttttgtcc cccccccat  
120cttaccaagt tgaggccaag ggagaatggt aggacacaa c

161

<210> 2422<211> 397<212> DNA<213> Homo sapien

ggcacgagat agggggccctc tgagaagatg gaatggtgaa ggctgagagt agtttgtgga  
60tatatcagtc atatcttggc ataatccaac agcgtactaa tggatcaagg gactatttct  
120aaggctgagc aggtttaagg aaaacatcta ggtgaaacat ctaagggtga gctagcaata  
180ggagagccat tatcactctt tttttttttt tggcagggga atttcccggg accttttatt  
240ggccttttgg gcaaacggaa cgggaccggt aaaaacccca ttggacttct caaaaatggg  
300caaagaattt ccctaaaaaa aatcttcttt ccaaggtttt tttaatgggg ggccccttaa  
360aattataccc tttttttaat taaaaagcgt tcacttt

397

<210> 2423<211> 404<212> DNA<213> Homo sapien

cgctgctgtc gcttttaata tggaatccac ctcataacaa ttaagtctaa atttctggaa  
60gatggagcca tgcttggttt tccaaaagct ctttgagtga ttctaatttg tagtcagagt  
120tgaagaccac tgctctaaat tagtgcagga aaatgctttt atttctccca tgtaactttt  
180taaaactagt aatgtacca gtttaagttt gatggtttaa attccactaa agaacatatt  
240cttctataaa ctagcattta ttacatgaaa ttttaagagt taagttccat caaactagcc  
300cttgtgtaag attattattt cttctctata acttcaaaat agatatttca ttcaaactgt  
360tcaggtgaga aacataatg gatttttttt ttttctctct ggag

404

<210> 2424<211> 399<212> DNA<213> Homo sapien

ggcacggagg agagagagag agagagagag tgagagagag agagagagag agagagagag  
60agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag  
120agagagagag agatagagag agagagagag agagagagag agagagacac acctctctct

180ctctccccct ctctgtgtct atatcgcgcg cgcaccccc tgtgtgtgtg tgtgtcttcc  
240ccctgcgaca ctctctgtgt gctctctctc tcacacactt ccccccccc cactcttttt  
300ttttttttta tacgtgttct ctttctcaat aatatatcct ttgtctgtgt gtctctctct  
360ctccagacag cgctctctct cttttttaca caccctccg

399

&lt;210&gt; 2425&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttttctc atcagcagga tgggggtgatg gagctggcct tactgggtgc  
60tggggatgat ataaagaggt ggcgtgtgca tgtctgtgtg tctgtgtgtg ggcgaacatg  
120tttggttaagt gataggctct gcacacgtgc acggcaccat catggttccc tccctgcagc  
180acttggcacg cagtgggggc tcagagcaca ggccgactga tggcctgggg ttgcagccct  
240gctccgtgtg tccctgggca cttgcttact gaccaccca caggtgaaca cgggcaggtg  
300gggtgttggg ggtgtgaggc tgaggagggg ctggatcttg cagctcttgc agcctggata  
360gttatggggg ctggaggggg cttttattg

389

&lt;210&gt; 2426&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagacctgt aatctcagct actcgggagg ctgaggagg agagaggctt  
60gagcccagga gctggaggtt gcagtgaacc gagattgcgc cactgcactc cagcctgggc  
120gactgagtgg agcggaaactc tgtctccaaa aaaaaaaaa aggggttttt ttaaaataaa  
180cacttttggg aagggtaggg gaaggtaagg ggggcccaca acaactttg ttttttaaa  
240tataggcggg aagggaaaaa aatggaattt ccttgttttt tccccaaaaa gacaaccccc  
300caatttggca gggctaaaaa ccattccgc cctttgaaa aaaagaaaac ttcaactttg  
360ggtttttttt ggaaccaggg aaacccg

387

&lt;210&gt; 2427&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaaaaaaagg gggagttcat tgttgagtat gaatttaaag taaccagact  
60gccttttgtc cagtggctgt cagtaattta cttcagcagg catttttttt ttttgggggt  
120ggtccaataa aaacagaacc tttttggaag aaaggccctt ccagggggga ggcattccga  
180aaagggggga acctctttaa ggaacccaac ccaaaaggaa acctggcccg ggaatttacc  
240cataagaaaa acggtgaagg ggttttgttt acttttaaaa ccgcacacac acaccacac  
300accacacac acacacacat tttttctat actcttaaaa aaccgtagag ttttaacaat  
360ccgggggggag gggatttaat aatat

385

&lt;210&gt; 2428&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc ctttgagatt tctggctttt tgtagggacc tcagttccat ttcccaact  
60catgggttct caatacctta actatctttt atttggcaaa ttccaagtcc tcaactcacc  
120caccactacc tgacccactg gagtcaccac accaccctac ccactttccc agggatgctt  
180tatgattagc ttaaatactc accattctga tttgtaatgc cgccccacc cccttttttt  
240gacacctggg agtttccttt tctttcttgt aagatcagca ttacacaaac aagcacattt  
300ttcttattat actttatcta gaaaaccag gtgtcagtgg cagaagcatt cctgaattta  
360tgtagatcat tgttttgtg gaactgc

387

&lt;210&gt; 2429&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aagggtctctc tgttcctcac actcagcttc agcataagct gtgaggccag  
60aaaaaagggt agctcttcta gtatcgtgca gtgcttaaaa accgggagct ccagccgggc  
120gcagtgggtc atgccagtaa tcccagcact ttcggaggcc gaggtgggag gattgcttga  
180ggccaggagt tcaagaccag cctgggcaac acagcgagat cctgtctttg taaaaaaact  
240aaccatcctg acccgccagt gctcttggtc tctgagtggt acccaggtcc tccaagtgc  
300ggtgtgcacc gagcgcgctt ggccctgatgc cctggcctgt gagctgggga ctctgggccc  
360ctgtgagccc ctatgcggca ggcccagg

388

&lt;210&gt; 2430&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag atattttatc tcctttatct gggacgcttg tttcttcagc tcagttaaac  
60tactgctttg acgtggactg gctcgtaaaa cagtatccac cagagttcag gaagaagcca  
120atcctgcttg tgcattgtga taagcgagag gctaaggctc acctccatgc ccaggccaag  
180ccttacgaga acatctctct ctgccaggaa aatgatgctg ctgctctatg aagaaggcct  
240ccgggttgct atacacacct ccaacctcat ccatgctgac tggcaccaga aaactcaagg

300aatatggttg agcccccttat acccacgaat tgctgatgga acccacaaat ctggagagtc  
360gccaacacat tttaaagctg atctcatcag

390

<210> 2431<211> 395<212> DNA<213> Homo sapien

gaaaaacagt agccctccta ccctgccttt accccacttt ccttgccetca cagtagtctg  
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120atgactattc cttgatgggt ttttgtttgc ttgttttaag acgggtctcac tcttccccag  
180gcgggagtg aatggcacaa tcatggctca ctgcagcctc aaccttctcg ggctcgggtg  
240attctccac ctacagcctcc tgagtggcta gaaatgctgg tgcacaccac catgcctagc  
300tagtttttgt attttttgta gagacagggt tttgccatgt tgccaagct ggtcttgaac  
360tccggggctc aagtgatctg cccgcctcgg cctgg

395

<210> 2432<211> 390<212> DNA<213> Homo sapien

gcagccctgg ccctgcggca cgccttcacc tacaaggctt atgctgacaa gaggctggac  
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120ggctctgtgc gccatctccc ctccacctca taccctgtgc aatagctggt gatgtgcact  
180agccctcccc gccaccagaa gccctaagggtgttgaaagca gaacccatt tttttagaca  
240ccccctcgcca aaaaacatag tccaggatac actttattct ctgtggaaaa agaaagaatt  
300tgactttatt tagaaaggct actgaatata gaagacgata actcgttgc tgtaagtcag  
360gaaataaata gattctagga gccgggcaan

390

<210> 2433<211> 388<212> DNA<213> Homo sapien

cggtgctgct ggtgtttcat aacattttta taagtgtgt aaactttagt cccattatat  
60acttttgggg acagtgttat aaatcagaat tttacgacag ttgcagaac actgatttga  
120aagcttcccta tgcaaatga gaagggttc aaatatatta attatcatta agtattaaat  
180aataggcatt agatgtctaa tgtagtgata atttcatcca agccatctca gaaagtctaa  
240aagggttgga gggggtcagc tgaagacctc actggagtgg gtcttaattt taaaaagtg  
300tctcactaca cttaagacat gtgacacatt cccattggta acaattgctc accatggcat  
360tgtctcaaaa aagactatgg tggggagg

388

<210> 2434<211> 391<212> DNA<213> Homo sapien

cggtgctgct gcaggagagc cgctggaagc agtacctgga ggacgagagg atcgcgcttt  
60tctgcagaa cgaggagttc atgaaggagc tgcaacggaa ccgcgacttc ctctcgtc  
120tgagagagaga tcgattgaaa tacgaatccc agaaatctaa atccagcagc gtgggtgctg  
180gaaacgactt tggcttttcc tctcctgtcc caggaactgg cgacgccaac cccgctgtgt  
240ctgaagatgc cttattcagg gacaagctga aacacatggg aaagtccacc cggaggaaac  
300tggttgaaact tgcccagacc ttctcagaga agacaaaat gaggaagtca aagaggaaac  
360acttggtgaa gcattcagtc ctgggggctg c

391

<210> 2435<211> 404<212> DNA<213> Homo sapien

cggtgctgct gcttttttcc attgtagaaa ttatgtatat cacatctcta atgggggtgg  
60ttttcaaagt tatttgaaca ttccagtggt tagggagctc ctgctttaca aggcaaccat  
120tatatttttc aaaaactctt aagtcttaca aagttatctc ataagaacag ccctaatttc  
180ttctttccac cactttgtaa acagtaatat actttaaaat gtgtaacatt tagcaacttg  
240tagctctgca tgcagtaaaa ttcaacattt tctgaattaa ttttactgt gttatgctga  
300cttcatgtat tttattttca tgggctgggt taaaaatacg agaattgaaa gatgaaagaa  
360aagattagta catgcaaact atagaagttt aggtagcaac ccag

404

<210> 2436<211> 393<212> DNA<213> Homo sapien

cggtgctgct gagaaaagg gctctgctga cctgccacct tcgctgtgat gagtttctgt  
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120gggagggtgt cgggtgacac cctgggctca gaccccgctc tcagcaccgc tctcccaccg  
180tgggctgcca cagaagctac aaggcaccgg gtcaaggcca agcaaatgaa acacgtaagt  
240atagctctgt ctttctaatt tccccctatt agaagaaaga acgtgaaata attctttatg  
300ggctcagtc ctaccgtgtg gggcagacct gctctgggtg atgaaagcag tttccctgcc  
360tcccttcagg aagtagagaa gccgggtgct tgg

393

&lt;210&gt; 2437&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gtttagacgc atcacgattt tgccccgatt cccaacgtgg agaaaccaac  
60ggggaaagag acggagacca acgagaacca tctactggg agaggcgatg ctgtttgaca  
120catcgtccct gtaccttcca aagccactgt cctccacac ctgggcaaca gtggcctcaa  
180ccccaggccc agccctcctg caggaaggaa gaggactgaa tggagggcgt ggcaggatga  
240aaggacgtgg cctcctcaaa cccattggta aagggcctct ggggccacct ggctaagagg  
300ggctggcaca ccaagaagtg gcctcctccc gggagttgag ccagagccca ggtgctgtcc  
360ccaagtggac tccagagcca ccttttcag

389

&lt;210&gt; 2438&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtttcaaag gatactgtca tgaagcagac acatgctgac acacctgttg  
60atcattgtct atctggcata agaaagtgtg gcagcacctt taagcttaaa agtgaagtca  
120acaagcatga aacagccctt gaaatgcaga atccaaattt gaacaataaa gaatgttgtt  
180tcacctttac gttgaatgga aactccagaa aattagaccg tagtgtgttt acagcatatg  
240gtaaacccag cgagagtatc tactcagccc tgagtgtctaa tgactatttc agtgaaagga  
300taagaatca gtttaataag aacattattg tttatgaaga aaagacaata gatggacata  
360taaatattagg aatgcctctc aagtgcg

387

&lt;210&gt; 2439&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac taggcaagtt gctttggcat atatcattct cattaataaa acagacttgg  
60ttccagaaga agatgtaaag aaattaagaa cgacaattag atccataaat ggactaggac  
120aaatccttaca aacacaaaaga tcaaggctca gcagctgata gactcagcaa caggcagcca  
180ggagctctga ggctcacagc tggcagtcta gtccactca gtctctactt gagaaattct  
240ttctttggaa gtacagcaga ggccttagag ctgatctctc taatgtatta gatcttcagg  
300cctttgatag tctctctgga ataagtttgc agaaaaaac ttcagcatgt gccaggaaca  
360caacctcacc ttgatcagag tattgttaca a

391

&lt;210&gt; 2440&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tactaagatg ggaaaaacta tcacgacagt ggcaccacct gatttcatga  
60tgraccatat gcagtaacac atgtttgagg tacagaattg aagctgattt ttctgcaaaa  
120gatgaatttc tataaacaat ccattttta ttttttatta ttaaaacaaa aatacctctc  
180tttgctagag agtatatgta tgacttaaat tattagctat ggtttgcatt tagtacctgg  
240cagattgcct gtaagtctgt tcattttaac aacatacggg gctgggcacg gtggctcacg  
300cctgtaatcc cagcactttg ggaggttgcg ggtggatcac ttgaggtcag gagttcgaga  
360ccagcctggc caacatggca aaaccccgctc tctatgaaaa at

402

&lt;210&gt; 2441&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gaagaggtgc aggagaagct gtgtttttta tctccacacg cagtatgaag  
60ataaaattac atagtattac ctacacatag acagtattac ctaggtagat gcactgctca  
120cctgcgccct tcccagctct catttttggt aggtgatttg ggatagggat agtgttttgg  
180ggtatggggg gagtgttctc tgcctgcttt gcgtacgtgc atgcgcgccc ctgctggttg  
240gcgcggggcc cctgcccttt ttcttgctcg tgccggacgg gaccgggttag gcctcggagg  
300cacgtgttt tctgtgcccc acacgtaacc ttctgaacac tgtggtacaa gaagtctccc  
360ccaatatcgt gccctagcg ccacacg

387

&lt;210&gt; 2442&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aggcagcagg atggcagtgg ccagtggggt caggctgggc catctccctc  
60tcagacctca gcacctgggt cctcgggggt gctgctcttg ttccggaagt ggtctcgact  
120ccgcttccctg tgccatgga agccaacagt ttccaccggc gggagacctg gcacagacc  
180actgtggaca gacctgaca gtgcctccac ctctgcagg cctccatggg ggctgcccc  
240ctctcagcc tctgggctcc cgggcccggc cagatgggac agctccacag ggccctcgcc  
300cctgtctgtg gcaggattcc caaggccgcc cctgcctggc tctccacct tccccaggac  
360cctcttctc tcgtgtctgg ctccgacccc t

391

&lt;210&gt; 2443&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc tctactgggag gtgcagctct ttctcctctt cctctaggaa ttccagaccg  
60accatctacc atgactaaca acaatgaaca aagggttag gggcaagagc tacctgcaaa  
120gacgtgtcat ggaacccttc accatgcaat gccttgaact cagctctggc tgctcccaag  
180aaaagggtggc tggctggggg cctggacaca agcacaatgg ggctggtgga gccactgtgc  
240agagctactt gaataatcac tgggttttca tcaactcctt ttgtcatata gaccactcaa  
300gggtgaagt gttggttaacc ttcatttcgg tgccaaagcc tcacagcagg tgagccacce  
360tgagatgctt gtggccacat ggtggccaca gtcagagctt tgaa  
404

<210> 2444<211> 395<212> DNA<213> Homo sapien  
cgttgctgtc gcaagactgg acactggtaa cagtatgact aaatatactg agaagctcga  
60agagattaag aaaaattata gatacaaaaa agatgagctt ttcaagagac taaaagtta  
120aacttttggc cagctgatca tccaagtggc ttccctctct gatcaaacac tgggaagtga  
180agctgaggag attcaaaggc tgggaagaca tgattctgca gcttcagacc ctgatgtga  
240aaccactgcc aggaccaatg ggaaaggaaa tccaggtgag cagtcgccga gccctgagca  
300gttcataaac aacgcaggag caggggactc cagccgctca actcttcaga gtgtcatcag  
360tggtgttggg gaactggatc tagacaaagg gccag  
395

<210> 2445<211> 393<212> DNA<213> Homo sapien  
ggcacgagct aagactgctg tccctccggt gagtgaagga gatgggtatt ctagtgagaa  
60tacatcgct gtcatacac cactcaacac acctgacct tccaccaagc tgagcacaga  
120agctgacaca gacactccca agaaactaat gtttcgcaga ctgaaaatta taagtga  
180tagcatggac agtgcaatct ctgatgcaac cagtgaagta gaaggcaagg atggcaaaga  
240ggatcttgat caattagaaa atgtccctgt agaggaagag gaagaattgc agtcacaaca  
300gtactccca caacagctgc ctgaatgcaa agttgatagt gaaaccaaca tagaagctag  
360taagctacct acatctgaac cagaagctga cgn  
393

<210> 2446<211> 404<212> DNA<213> Homo sapien  
gngacganaa cagtgtgcag gagactcact ccagctgct gggctcttgg gacccgtggg  
60aagaaccgga agacgcagcc cctgtggccc cctccgtccc tgcctctggg taccctgagc  
120tgcccacacc caggagagag gtccagtctg aaagtgccca ggagccaggt gcaggccggg  
180gaccccttgg ggtgagggct ggggcagggg agggctgggg gaccccgacc ttccatggcc  
240catagagggg gggggccagg gtgtggggac atttcgcagg cctgtcctcc taggaggggt  
300cagtccagcc gaggcccaga gggcgtgggt ggttcttgag ccccgaggag ccagggatgt  
360ggaggcgag ctgcggcggc tgcaggagga gaggacgtgc aagg  
404

<210> 2447<211> 402<212> DNA<213> Homo sapien  
ggcacgagag gagcgtact ttgagccact ggtgaaaaa gaacaaatgg aagaaaagat  
60gagaaacatc aaagaagtga agtgccgtgt cgtgacatgc aagacgtgag cctataccca  
120cttcaagctg ctggagacct gcgtcagtga gcagcatgaa taccactggc atgatggtgt  
180gaagaggttt ttcaaatgtc cctgtggaaa cagaagcatc tccttggaac gactcccgaa  
240caagcactgc agtaactgtg gcctctacaa atgggaacgg gacggaatgc taaaggaaaa  
300gactgggtcca aagataggag gagaaactct gttaccaaga ggagaagaac atgctaaatt  
360tctgaacagc cttanataac ccgaacttca gacattntcc cn  
402

<210> 2448<211> 392<212> DNA<213> Homo sapien  
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60agggcgctga agggcaccgg atgcccagga atcaccacct ggtaccagaa gcggtgccag  
120ccagcaggtc ctatgcccac acacttggtg aggaacacag ggctgcccag cttcattcgt  
180tgccacagca actgcagggt agcccagacc ccttggaaacc ctaacttgtc ccttgccaaa  
240gccaactggc tgccctctgg ctgtggggac cgcaagaagg gaccacaag ctgctggcga  
300agtcgctgct tcaggtctgg cttgagccac tccacagcca cctgctctcc acagaggtgt  
360gactgccctg taggaaaaat gcaagacaa gg  
392

<210> 2449<211> 402<212> DNA<213> Homo sapien  
ggcacgagag aggccttaaa ctctggtgtt gagtactact gggaccagct gaacgagacg  
60gtcttcactg tccattccaa cagcaggagc agcgagcggc ctggaaccag cagagccaca

120tgaggagacag acagagacat ggggctgatg aatgccattg ggcttcagcc ccggaaccct  
180gccacctcag tgacatctca gggcaccag actctggccc ttcagctgca gaatgccgaa  
240acacagactg agagggaggt gccggagcca gggacagccg cctcaggtcc tggatgaaggt  
300gaggggttcag agtatgggtgc cagtggagaa gatgcgtca gcaggatcca gaggtgatg  
360gcggagggcg gcatgacagc cgtgggtgag cgggagcaga gc  
402

<210> 2450<211> 393<212> DNA<213> Homo sapien

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120tgagtcattg gagagacat cccaaaggcg ccagctcccc tctgccctaa actgaaatta  
180agacctgggtg ctctgggtgg ggccccctgga aagggtatgtg caactcatag gggaccttct  
240ccaccttcac ccaggagacc ccagagggac catggcagag ccggagccct cttttttttt  
300ggctcgctttt tttttatta ttattatact tgaagtggta gccctctttt aaaaaccaa  
360tgagaatagg ccaaagaagc caatcgtctt tgg  
393

<210> 2451<211> 392<212> DNA<213> Homo sapien

ggcacgaggc cctgcgcag ctgaaataac tggaaaccag cctctcctcc tacaccggcc  
60tacctatctg ggccaagag ctgcactcac actcctacaa cgaaggacaa actgtccagg  
120tcggagggat cagagacac agaacttgga ggggtgtgca cgctggcagg tggcctctgc  
180ggcaattgcc tcacctgag gacatcagca gtcagcctgc tcaaagcggg ggtgctggag  
240cgctgcagac cacagctctt ccggagcagc cttcaccttc tctctgggat cagtgtccgg  
300ctggccgacg tggcatttgc tgaccgaatg ctcatagagg ttgacccca cagggtcacg  
360caggactcgg acactgccct ggaacatgg at  
392

<210> 2452<211> 404<212> DNA<213> Homo sapien

ggcacgagag gacttgcccc atgtgcaa atgtgacatact caaagcttg ggaattgagg  
60tgagtggtga agatggatca gtgtctttac aagtccctgt atccaatgaa atatctaata  
120gtgcctccrc ccatgaagag gataatcgca gcgagaccgc atcatctgga tatgttccag  
180tacagggaac agatgaaccg cctctggagg aacacgtgca gtcaacaaat gaaagtctac  
240agctggtaaa ccatgaagca tattctgtgg cagtggatgt tattcctcat gttgacaacc  
300caacctttga agaagacgaa actcctaatac aagagactgc tgttcgagaa attaatctt  
360aaaatctgtg taaatagaaa acttgaacca ttagtaataa caga  
404

<210> 2453<211> 394<212> DNA<213> Homo sapien

cgttgctgtc ggaaggcaca ggcttttatt tatcccgat ctgctctcct gaaataattg  
60tgagtcagc cctgaaatgc cggaggacat ggagcacgag gaacttaaca tccctaatag  
120gaggggttctg gttactgggtg ccactgggct tcttggcaga gctgtacaca aagaatttca  
180gcagaataat tggcatgcag ttggctgtgg ttccataaga gcaagaccaa aatttgaaca  
240ggttaattctc gtggattcta atgcagatca tcacatcatt catgattttc agattactga  
300cagccctgtc ctaggagcac aacgttcgag aaatgctcaa cttgactgct ccaaattgga  
360gaccttgggc attggccaac gaacaccatt tctg  
394

<210> 2454<211> 396<212> DNA<213> Homo sapien

cgttgctgtc gccatttta gccatgggtg ctctataggg gtcagacatc atgtgcccag  
60acctaaaggta aggaatgtca ttttttctg ttaaaatcat tttatttctg tgtatcttac  
120ctttaaatca ttgtgggtta ctctgagatt ctgtagtcct aatattgtat cattgtgctg  
180cttgcaaaac aacttgaatc ttttttgtt gcatcttttg ttacatgtaa cgcagctgta  
240ctttatgttc ttgcaactg ttccattat gagaacgctg tgctatttac aaggttacat  
300ttttcttggc caggcgaggt ggtcatgcct gtaatcccag cactttggga ggccaagggt  
360ggcggatcac ttgaggtaaa gatttgagac cagcct  
396

<210> 2455<211> 393<212> DNA<213> Homo sapien

ggcacgaggc ttattgagga aatccagaag gaggtgaag aggaacagaa aagaaagaat  
60ggagagctgc gatgtgaact gccctcccc tcgcatcccc caggccacca acggcagtc  
120ttctgccttg tccatggcat aggccataga ccaggtccct gctgctcaca cctgggcctc  
180tctcggagc cgaccttggt gtagcaaggc agccgagagc atctccctgg aggggccac

240gggtgggcca agggcagagg gggctgcacc tgcgggcctg ggaagcattg ctcaggggtgg  
300ggggctggga ccatggcccg cagaggcact gccacagctg tgaggggcaa gatgctgtcc  
360ccccatccaa aaccctgtcg cactgcagtg gag

393

&lt;210&gt; 2456&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcctcttctg atgtgcatag taggctaggt gttcccaggc aggatagtaa  
60aggcctctac gccgatactc gggagaagaa atcaggtaat ttatggactc gcctaggatc  
120tgcacccaag accaaagaaa agaatacgaa gaaagtggat cacagggcgc ctggcgctga  
180ggaagacgac tctgagctgc aaagggcctg gggggctctg attaaggaga aagagcagtc  
240tcgccaaaag aagagccgct gttaccagca cccttttccc aagaaaagtc aattcccagg  
300tgcttattgg acatccttcg agggggaaga ggagggaagc ggccagctca cccttccggg  
360accctagtgt ggggcgaatc tcacggacct ga

392

&lt;210&gt; 2457&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

gggacgaggt ccagcccgtc tgagcttcca gcctcccctg caggtggcag cgctcctgtt  
60gggcaagaaat tggagaccag cagaaggcct ccatctggaa cttccactac ctccaagagc  
120acctctccaa ccctcacgcc ctccccctca cccaaagggc aactgcaga gtcctcagtg  
180tcttctctgt catcccatcg gcagtccaag agcagtgggg gctccagcag tggcaccatc  
240acagatgagg atgaactgac tggaaatcctt aagaaattat cacttgagaa atatcagccc  
300atttttgagg aacaagaggt ggacatggaa gcgttcctca cactgactga cggtgacttg  
360aaggagctgg gaattaagac agatgggtcc aggcagcaca t

401

&lt;210&gt; 2458&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg accatctaca gagctgtac tcaaaactta tggaacaact ggaaacctcc  
60aggagggaaa tgattgggct tcaggaaaga gacagacagt tacaatgtaa gaacaggaat  
120ttgcatcagc tactaaagaa tgagaaagat gaggtgcaaa aattacaaaa tatcattgca  
180agtcgagcta ctgagtataa tcatgatatg aagagaaaag agcgtgaata taataaactg  
240aaggaacgtc tacatcaact tgttatgaac aagaaagata agaaaatagc tatggacatt  
300ttgaattatg tcgggagagc tgatggaaaa agaggctcct ggaggactgg taaaactgaa  
360gccaggaatg aagatgaaat gtataaaatt ctcttgaatg att

403

&lt;210&gt; 2459&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagtg actattgaaa atgcttagaa tgaaaaaaat gaaaattctg acctaaaaa  
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120gaattcaaac caaatgctga aggaaatggt ggagagatta aaacaagaat gccgaaatct  
180tacaagccaa gctgaaaaag cgcaactaga agctgaaaag acattggaag agaaacagat  
240acagtgggtg gaagaaaagc ataagcttca tgagcgtatc acagacagag aagaaaagta  
300caatcaagct aaggagaaac tgcagcgagc tgcaattgcc cagaaaaaga gaaaatctct  
360tcatgaaaaa aaattgaaaa gactacaaga gaaagtaca

399

&lt;210&gt; 2460&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccaggagagc ggcaattcag tttaaacttc cactatacag acagcggtag cagttcgtaa  
60aaaatttagt ggatcaacat gagcctaaga agagttgcag acctgggatg tggatgatac  
120tactctttaa ggctgctaaa agtcaatcca tgcattgaat tgcttggttg agtagatatt  
180aatgaggata aattacgatg gagaggggat tcgttagctc ctttctctgg ggattttctg  
240aaacctcggg atctgaattt gaccatcaca ttgtatcatg gctccgttgt ggagagagac  
300tctcgtttgc ttggatttga cttgataacg tgtattgaat taatagaaca tttggattca  
360ggtgatctgg ccagatttcc tgaagtggta tttgggg

397

&lt;210&gt; 2461&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgcgtttcca acagaaatta aggtcgatgt gtgcaaaaga gtaaatctgg acattactac  
60tttaatcaca tatgtatctg ccctcagcta tggaggctgc cactttattt tcaaagagaa  
120agtgtctaca gaacaagcag agcaagagag gaaagagcag gttctacctc agctggaggc  
180ctttatgaag gacaaggagt tgtttgcttg tgaatctgct gtcaaggact ttcagtctat  
240tttagatacc ttangaggac ctggggagag agagagggcc actgtgttaa ttaagcgaat  
300taatgtggta ccagaccagc cttctgagcg tgccttgaga ctagtggcca gttcaaaaat



360taatagccgc tcattaacaa tttttg

386

<210> 2462<211> 392<212> DNA<213> Homo sapien

ggcacgagcg gtcgcggagc tgtggccagc tttgggaggg ccggcccg gatgctacac  
60acaaccacg tgtgcctatg cggacatcac gtcgccatc aagtttctgt ttgagcgtgt  
120ggaggggcatc tccagggcta ccatcattga tcttgatgcc catcaggga atgggcatga  
180gcgagacttc atggacgaca agcgtgtgta catcatggat gtctacaacc gccacatcta  
240cccaggggac cgctttgcca agcaggccat caggcggaag gtggagctgg agtggggcac  
300agaggatgat gagtacctgg ataaggtgga gaggaacatc aagaaatccc tccaggagca  
360cctgcccgcac gtggtggtat acaatgcagg ca

392

<210> 2463<211> 385<212> DNA<213> Homo sapien

ttgagaagat cctcagcact cttgttaaag ggacacgcag acctgtgacc tgcaagattc  
60gcatcctgcc attgctgata cctctccat tctgtcata gccacggag gatctcatga  
120ccacatccaa cagtattcgg acatagagga ctttcgacaa gccacggcag cctcttccgt  
180gatggtggcc cgagcagcca tgtggaaccc atctatcttc ctcaaggagg gtctgcggcc  
240cctggaggag gtcatgcaga aatacatcag atacgcggtg cagtatgaca accactacac  
300caacaccaag tactgcttgt gccagatgct acgagaacag ctggagtcgc cccagggaag  
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385

<210> 2464<211> 386<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc  
60ggtcgttaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccca  
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa  
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat  
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac  
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc  
360ggcagagatt gccaatgcc agtccn

386

<210> 2465<211> 391<212> DNA<213> Homo sapien

ggcacgaggc cggtttgccc cttctttgta tgagagtttc atccgccctg aaatcttccc  
60ggtcgttaat aactcctcag gtccctgcct gcacagggtt ttttcttagt ttgttgccca  
120agagtacacc aaatgtgaca tcctttcacc aatatagatt acttcatacc acattgtcaa  
180ggaaaggact agaagaattt tttgatgacc caaaaaactg ggggcaagaa aaagtaaaat  
240ctggagcagc atggacctgt cagcaactaa ggaacaaaag taatgaagat ttacacaaac  
300tttggtatgt cttactgaaa gaaagaaaca tgcttctaac cctagagcag gaggccaagc  
360ggcagagatt gccaatgcc agtccagagc g

391

<210> 2466<211> 397<212> DNA<213> Homo sapien

ctccagaata ttattaagac tcttagggtt cctctcagtt tgaagtattc ctgcccttct  
60gaaagcacat ggaaactagc agtatcctct cctctcagag ttctttctat tgggctacct  
120gttgcccggc agcatgcttc ttctggaaaa ttgacagta tgtggccaga actagccaat  
180acttttgaag attttctctt tactaaaagc atacctccag ataactcttc tattcaagag  
240tttcaaagaa atgaaaatat tgatgtcgag gtatgtcaac ttatcagcaa tgagatacta  
300ccttatgcc aattttattcc taaggaattt gttggtcaaa taatgacaat gcttaacaag  
360ggtcaatac attctcagtc atcttcattt acagaag

397

<210> 2467<211> 397<212> DNA<213> Homo sapien

ggcacgagaa agctgggct gaatttccag aggaagatgc agaacaactc aagcatgtta  
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120atgctgaatt gattgaagat tatcggtatc aacagcagca gcaatgtgca atggccccac  
180ctaccatgat gccagtgct cagccccagc caccctaatt tccaggtgcc actccacca  
240ccatgagcca acccaccttt ccatgggtgc cacagcagct tcagcaccag cagcacacaa  
300cagttatttc tggccatact agccctgtta gaatgccag tttacctgga tggcaaccca  
360acagtgtcc tgcccacctg cccctcaatc ctactag

397

<210> 2468<211> 390<212> DNA<213> Homo sapien

ggcacgagggc agccttctcc actcttccct cccttggagt ttcgcccagt acctttgccc  
60tcaggcgagg aaggggaata tgcctggca ctgaagcaag agctacgagg agccatgagg  
120cagctccccct acttcatccg gccagctgtc cccaagagag atgtggagcg ttattcagac  
180aaatatcaga tgcaggtcc gattgacaat gccatcgatt ggaaccctga ttggcggcgt  
240ctaccccggg agctaaagat ccgagtgcg aagctacaga aggaacggat tacaattctg  
300ctcccccaaga ggccccctaa gaccacagaa gataaggagg aaacaatact gaaactagag  
360accctggaga agaaggaaga agaagtaacc  
390

<210> 2469<211> 387<212> DNA<213> Homo sapien

ggcacgagga tgactcttgc ctccattggt ggcctcgctg ctgctctaca actctggggc  
60ttcaagctgg actatgacag catggagcgg gaaattgctg agccactgtt tgacctgaaa  
120gtgggtatgg aacagctggt acagaatgcc accttccgct gcctcctggc taccctccta  
180gcggtgggca acttccctcaa tggctcccag agcagcggct ttgagctgag ctacctggag  
240aaggtgtcag aggtgaagga cacggtgcgt cgacagtcac tgctacacca tctctgctcc  
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360cgctgtgcca aggtggactt tgaacat  
387

<210> 2470<211> 383<212> DNA<213> Homo sapien

actaactttt tctaagagaa attgattcct gttttgtcat ctgatgcaat ttgctcttat  
60aaagagacat ttcataggt tcagagtaac tcacctccat gggctgacca aaggcttttc  
120taatttttgt tactgatgag atgaaaccta ttgttaagga gatcttcccc aggagcattt  
180ctgttgcttt cttgacatca atgaaaagta gcatattctc ttatgaaata gcatgagaaa  
240acacagggca ttctaggac agtaaaacgt taaagtactg gattaagaaa acaacaacag  
300gctggggcgca gtggctcaca cctgtaatcc cagcactttg ggaggctgag gcgggtggat  
360cacctgaggt caggagtttg tga  
383

<210> 2471<211> 371<212> DNA<213> Homo sapien

cgttgctgtc ggtccgtttc ccatatattg agggataaag aaaattaagc ctgcctgtag  
60gcacgtctca aacttgggag actcagaata caacagagta tgggatacag ggaggaaaga  
120agagatgcag aaataaatta aaaacaagat ttgtttaaag aggaactgca acttctttaa  
180ttgggcagat tgaaccaata aaagcacagt tctctccctt cactgttat cctttagtct  
240cttcaacttt cacattgctt cactcactct ctctctctcc ctttcacctg ctacacctac  
300ccaacttgaa ctgtgccttc tgatctgaca caggatgaca atgacagcag tcattacctt  
360gcagccattt t  
371

<210> 2472<211> 383<212> DNA<213> Homo sapien

ggcacgaggg cagaggttgc agtgagctga gatcatgcca ctgtactcca gccagggcaa  
60cagagtacga ctgtctcaac aacaacagca acaacaacaa caacatcttt caaaaagct  
120tatttcaagg aaaaacacaa agaaatttca caatgaatta aattaacagc cttggtagct  
180aggttaaaaa atttaaagca aagaaataaa agttgatacc aggttagcaa agacaaggta  
240aaaaatagta ctaagacact tcaggacctt taaggatatt tgaagaggtt tcaatattta  
300gtatctaagg taaaaagagt tgatgcagta ttttcaggta aaggaaatcc ttgcaaaatc  
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383

<210> 2473<211> 383<212> DNA<213> Homo sapien

ccacattcat cccagcctc gctgtacagc tattatgtgg ggatttgcca atcaataaat  
60caaggcacct gaaaaatgaa ctggggaacc aactgactt tccccctt cttgattaaa  
120acaaacaaca ttgtgaaatg tcaacctgtc agtcgtttgg aaagtgtgc gcatggaaaag  
180gcaattaccc aaatgacttt taaaagtatt gagaatttgc ctggctgaac gttttttaat  
240taatgccgtg agttaacatt aataactatt catagcttag tgagctgggc ttgaggtggg  
300tttaggaaac atttggtatc tctggcaggg acagatgttg acctggccgg tcggcagctt  
360ttacaaacct aaggacttca ggg  
383

<210> 2474<211> 381<212> DNA<213> Homo sapien

tacggttgcg ataagactac agaagggtcg gcctcccaga gggctgggat tacaggcgtg

60tgccactgcg cccagccggn ccttgctttc atgtacctta gaattcagag gaaaaaagag  
120atattaaaca aataaataca caaatgaaca tacaatttca gtgaggttta agtgccatgc  
180aggtaaagaa ttaaggggtcc tgtttcattt acttcttctc tgccttgacc tgccttcat  
240taattccaca aatacttact gaccttgca tggcaggctc tatgctgagc actgtgaata  
300cagaagtgc tcttgatatg gggattcgaa ctgcatggag ctacaccgt ccaaccaga  
360ttgacataca taataggtcc t

381

&lt;210&gt; 2475&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggc tactactgcc actccagtg tgctgacct tcaaagttca gcaacacctg  
60ttaaagtcct tgctcctggg gaattcggta accatagacc aaaaggggca ctaagacctg  
120gaaatggccc tgaaatttta ttgggtcagg gacctcctca gcagccgcca cagcagcata  
180gagtactcca gcaactacag caggagatt ggagattaca gcaactccat ttacagcatc  
240gtcatcctca ccagcagcag cagcagcagc agcagcaaca gcaacagcag cagcagcaac  
300agcaacagca gcagcagcag cagcagcagc agcaccacca ccaccaccac caccacctac  
360ttgaagatgc ttag

374

&lt;210&gt; 2476&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggccggtgg atcactcgag gtcagcatat tgagaccaac ctggccagca  
60tggtgaaacc ctgtctctac taagaataca aaaagtaact gtgctggag gggggcgccct  
120gtaattccac ctattcggga ggctgaatca agagaatcac ttgaaccgga gaggcggagg  
180ttgcagagag catagaagga gccactgcac tctagcctgg atgacataat gaggtcagt  
240ctatcatggt aatagtagcc tgaacctatg tgaaatctaa gaacatataa cactaatttt  
300tcatagtata aattaaaaaa tggttgccta gcgctggaga ttccgggaag ggacacagat  
360tctctgtatt gatagactgg c

381

&lt;210&gt; 2477&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggc cctttccagc tttgggttca cagccttctg ttattcctgc tgtcaatttt  
60ttgtctttct actgtgcttt tcaaccttgg ttattcagt atcaccttca tctgtgcgat  
120tattaccatt taactgcagc aagtaaagac gttaatagt aggtttttgg gaatgtggta  
180aaaccgggag gtatatttga cttgttccaa gttatctgat gaggcagatc agctaaagca  
240aaatacagtg ggttgctccc tactatcact gggacctaga gatttcatct acatctctga  
300aaaatggggg ttctgtatga tagratgggt gagaaggaat gacagcagaa ctatcaactg  
360ttttctgatt atcctgatga

380

&lt;210&gt; 2478&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggagtcac aataaggggg cctcatgcac atgattgaca gagagccaca  
60gcggccttgc attgtttata acaccagaaa gggacaattt agaagtgcc tctctgtctt  
120aacactaact ctctttaagc ctgatcacct cccacattct aatagggtt ccatgccgag  
180ttgttttcta gaatctttcc ttccattttt cagggaagcg tgaatgttgc tttaaagtca  
240gcgttttaat gtgggtataa gctttttatg tgacttaaat tacataaaca tttagttgt  
300gctgaatata cctcttattt tctagatttt catgttttca tacagctcag gttttgatgt  
360atttgttgtc tttta

374

&lt;210&gt; 2479&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gggataaatg gaaatttcaa cttatttcaa attttgcaca tattatgaaa  
60ccttattaat gtatttttat caaactaaat cagatttgta ttgaattgt taggaaaaac  
120catgtgcagt tttggctgat aattgaagga aaaatatcaa atactttgaa ttttttttct  
180cttttttcaa accctctgca gaggtaggaa ggtatgaatt tcttttttat gtcaagatgc  
240aaaaaacaat catgatgctt ttgttgggag aatttttgta ttcagtattt tgtatgtacc  
300ttttttttt ttaaattgga aagcccaatt aggttaaaca ttttaactttg cttgactcca  
360gtgtaaatg aan

373

&lt;210&gt; 2480&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggc gactctagct tctggtagc gcccttcagt tcacctcct gccctgctca  
60gaacccccctg gacctgacat cgcggcttta acaccttgg gtcattgtgag aaggaagagt  
120gcccaccag gactttccga ggctcacaga ttctttgaaa tggacgtgag cacaacgcc

180cagccccgac agccagggat cagatcggtt ttcacttcct aggagggagg atgtactgca  
240ggggaggccc acgtggctgc cccaggcctg gccagcctct gtgacccaac aggactgact  
300gttttacggg atggccacac ggtaccctgc aggtcatcc atgggtgggac cttgatgctc  
360ctttgtg

367

&lt;210&gt; 2481&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtagcacgaa ggcccactcc aaggttcttg ccaggctgga ctgtaacagc agtaccagca  
60ccaggaatgg ggccaccatg tgatcttttg gtagaaatga cctttttggg cttgagtttg  
120tcttttctaga atgcacgtga tcccttatcc cagggagggt gtaaagacca cactgtggag  
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240tacaaaacgc gtccatgatg aggacgggtc cattagagcc cccaacgttc tgtgaagtgg  
300gcggcacagg ttggggaagg ggacttaatg gggttatgta atttgcatga aaatcacaga  
360acctgaagtg gtgggtgaga ttca

384

&lt;210&gt; 2482&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgct gcacatacat gcataggtat cctgtgtgct cacatgcac attattatat  
60aaatagaaac ttctgaacac ctccttaagt cactacagga tgccagcgt tcttattctt  
120gggtagacag agccacctca gcatcctgat gtagataca agaaattgtt acttctctat  
180atggaagtgt ctttaaggaca cgtctccatg atatttttgt gaacccaaag tgttttatcc  
240tcaaaaaat gttcctctgt tccaggttaa agtaatatcc cctgcttcca agtaagcaag  
300actgttccact aaagaaggaa ctttttagaa aactaatctc ctttatcatc caattttagt  
360tctgcatgtt ccgaggtagc cag

383

&lt;210&gt; 2483&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgct ggtctcccca gtagctggga ctacagacac acaccaccac gcctagctaa  
60ttttgtat tttagtagaga cggggtttca ccatgttggc caggctgggt tcaaactcct  
120gacctccggt aatccgcaca ctttggcctc caaaagtgtt ggttttacag gcgtgagcca  
180ccatgcctgg cccattagg ttactttcat tccaccttca tgcttatggc cattctctt  
240atgctgctgg gtggacatag agcttcacca ccctcctcct gcatgtcctc tgtgtctgct  
300gagcactaac tgcgtgcccg gcacagtact gagccattg ctcatctcag caggttcatc  
360ccagcaacct gggaggga

379

&lt;210&gt; 2484&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgct ggaaggtttg gtattgtaaa tgtgctgtt ttccaaagaa aaattagcag  
60aggacttgag atttagaaaa gtctcctttg taatgtgcat cattaccagt tatctaaaga  
120aaaacatgta aaagccaaca aaaccttga aaatattttg catatggatg tctgtttcac  
180gtttcaactg aagatgtata gagcacctct gatgatgagg aagataccat gctaggcagt  
240actttcaaga acgtgagttc ttatttctgc aggccttttg tgccccctt taaatgttag  
300catttattag gtacaaacta gtggggaagg tttttttaa aagttttgca gtcttgaat  
360ttacctttt aaaaaat

377

&lt;210&gt; 2485&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgctgctgct gtatagaact aaaatgtctt aaaccacgct tagtttcata tttagaacia  
60aaaaatccct aaaccattct gtttaactgt tagaaacct tctgtaaaat gaagaaaatg  
120ggagacatgg aaactgattg ggggagttaa gctttactct catttttctc agccattaag  
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240ttctgccact ttttaaaaat cttcttattc agaagttcag caaagtaaac caagtctggc  
300ctaatacttt gatttacttg aatacctcta cgtatcttaa taattccttt aattttacat  
360tgtgtaaata tttat

375

&lt;210&gt; 2486&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tgtactggga agaatgaaga ggtgatacct ttactagatc cttcagacac  
60atctatgaga agatttgctt atttaaaagt ctgcccactg aggataggga aaggattaag  
120gatttttcca cctcctctta gtaactcctg aattaccaac atcaacttct ttctctccgt  
180tcctgaagga actttgggga atcatcttca tccgtagtta cgctttcctg aaccttctca  
240gtgggtttaca tgcccttgaa actatgtgca atatttttg ttgacacttg tatccatcct

300taagaaatta gtgcagattg cagatgttct gtcttccatc ccaaacaagc ctgccatgag  
360gtaggatcct ag

372

<210> 2487<211> 155<212> DNA<213> Homo sapien

ggcacgagct ccgcgcggcc tcggtccctt gcgcgcggcc ccccaaca aaactcagcg  
60cagcgctccc gggcgcccg ttcagagcga cctgcggctc agagcggagg ggagactgac  
120cggagcgcgg atcgggacag cggccgggac agcgg

155

<210> 2488<211> 375<212> DNA<213> Homo sapien

cagctcatat ctggctaaca gtggcactat gggagtttat atgatctgtg cattattctg  
60tggcatcacc ttctaagagc agagatgtga cccaatacc cttgttttcc ttaaagataa  
120ccattaaatt atatccatga atttatatca cgtccttga ctttatacgt agatttttct  
180aattctgtca acccttaggg taatgaataa cttaaattggc caatgcctct gaataacatc  
240atacttctt ttgtttctcc aaaaattgaa tcaagatgcc agggcaacta agattttctt  
300caatttgcta agttaaaggc cagtgtattc attagccaat ggttctgtat tttattcatt  
360ttagntttta ttcgg

375

<210> 2489<211> 379<212> DNA<213> Homo sapien

gcggattgtg acaaatctt tcattaacaa ggggagtttc ggtgaagtgg aggtttgggg  
60aaaggcgagg aagtcggtct ggagcaagca agcaaagtgc ggaagctgta ctgggattct  
120tctagaaagt ggggtgggaa aggaggtagg gagggcgtgt gcagggacga gatctgtgtc  
180agaacgtgcg tgtgagcggg taaaaaccc gagagaggcg tgagcagcgc tgtgtttgcg  
240agcgggagcg aggggcggcg gctgggggtgt gtgctcctga gctcttcaga aaccaggctg  
300cttttcaggaa cattgctgtg gattcccagg gcctattcca ctagaagcaa gatggctgaa  
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379

<210> 2490<211> 372<212> DNA<213> Homo sapien

catcttttggc gtaggccatg aaagacagga tgctcattgg gtgttctgct gagtgaggaa  
60tgctgectat tccctcgcag tacgccttac ccagggatgt gtgttgaaga gccctggagg  
120aaatggaccc agttttgcca catatcagta ttacgctgaa gatcaggtga ctgggtatgcc  
180ccacctcca tcattgcttc ccatagccat tctgttcagt cagctcatcc acgtggatt  
240cctgagaggt ttgcaatttg ggaagccatg aaaaaggctt ttatatcttg gaaagatgga  
300gagagggaca taggatcggg gactcctaca tgacatgaat aggttgagaa ttgggaatcg  
360gccatccacc an

372

<210> 2491<211> 375<212> DNA<213> Homo sapien

ggcacgagaa actgtcagcc cattaagtgt tcattcttaa tgtgaaatct ctgatgaag  
60gcaatttagc ttaatttgcc aagacatctc ttcattgtct ggagggctgc tgggggaagt  
120agagctggaa tccattggag ccaccaatct gcagaagtct agaacacaaa ggacacagag  
180tgggttttggg gggtcattgt ggcatttgc aaggaaaagc aacattgcc tctaaatgac  
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375

<210> 2492<211> 382<212> DNA<213> Homo sapien

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240ctcaataata tatgtatggg cacaggggtcc ctggagatgg tttatttctt tatgacagac  
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382

<210> 2493<211> 375<212> DNA<213> Homo sapien

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240cttctcttct gttttctttg gctgtatcag ccgaaccagg agaggcctgg gctgcgacta  
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360gtggaaattg tcacg

375

&lt;210&gt; 2494&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

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240gggcagtgtg tatgcctcct gtgtagcaaa cccaggcac cctttattaa gccaactatt  
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360ttggaattgc t

371

&lt;210&gt; 2495&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccgttgctgt cgggcgagtc tttaaaggag tggctcatct ttcctctccc tggggcattt  
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180aatgtctggc ctttgtgtg aggagggact gtggtatgag ccgcagaagc gggccagggg  
240taaaccctcc tgtgcgtcct tccttcagcc tggctcctgag ggtgaccctt tgatcctggg  
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360ctggcctg

368

&lt;210&gt; 2496&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc aaggcctggg ggccctcggt ccctgccccc tcgtcaccat cctgtccttg  
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240aggggtgggca ctgggttctg gtttagagtc agtaatgtta gggcgagtg ggcaggggt  
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360tggngaggg gtcctggg

378

&lt;210&gt; 2497&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattttaga ccagactggg atccacagtt taattgaggg ttgtctccag  
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120aggtgctgg ccacctatgg aactgataaa cctgacactc gctttggaat gaagattata  
180gatatcagtg atgtgttag aaacacagag attggatttc ttcaagatgc acttaataag  
240ccccatggag ctgtgaaagc catatgtatc cctgaaggag caaaataactt aaaaaggaag  
300gacattgaat ccattacaaa ctgtgcagct gaccatttta atcaggaaat cttacctgta  
360ttccttaacg ccaatagaaa ctgg

384

&lt;210&gt; 2498&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gccatgccat tgacttgat gcagaagcaa tggctcttcc cctctatcgc  
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180atatcagtag gtgctatact ttctgactat cagcgatttc gagggtgaaa tgtgtgtaa  
240aggcttaatc tccagccttt agcttatctt tggcagagaa accaggaaga ttgtctcaga  
300gagatgatat catctaact tcaagcaatg atcatcaaag tagcagcttt ggggttagat  
360cctgataagc a

371

&lt;210&gt; 2499&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtccaagctg ctgggcttgg agcaatgacg tccatgggtg gtaagggttg caaagattct  
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240gccaatgtca ttagcagagc caaagtcattg gtctgccagc tcgaaataac tccagcaact  
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360cctgccattg ctgacct

377

&lt;210&gt; 2500&lt;211&gt; 346&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttcgtttgc gagaagacga cagaaaggca aggaactagt gtgtatcaag ccataactaag  
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120tctatccagg actgtttttc tagaacataa atcatggagc tccttgacag tgtatccact  
180gttttttgggg tttaataaaa ccaactagaa tttagactta caaagaaatt attattcctt  
240ttgggtgtcc acataaagca gtccagggtc atcatatggc taaaatcaag atatttggtt  
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346

&lt;210&gt; 2501&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120tttggataat gaaaaagaat gttcggggacc aatttaatatg tcatatccag ttagtgagga  
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240cagagacaga cttcatgctt taggtgtttc aaccagggtc ctctctgggt cctcggatgc  
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344

&lt;210&gt; 2502&lt;211&gt; 338&lt;212&gt; DNA&lt;213&gt; Homo sapien

agggctatgg ctgctagaag acgacagaag ggataaccaa acctcctaga ctaacaacac  
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240gcacaccaca ggtgagagac cagaaagtgc ccaaggggtt ttatacaaaa aaactatatt  
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338

&lt;210&gt; 2503&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaacaaaaa cctctctgct tcatctcgca gaggtcatec  
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240cacagcaaat taataaatgg catgtgcaca tacagcgctt gcctcatgtc tcacatgata  
300aacctgattt ctgggcactg gctgagcgac tatgg

335

&lt;210&gt; 2504&lt;211&gt; 475&lt;212&gt; DNA&lt;213&gt; Homo sapien

acttgaactt nnaaggatc ccacgattc gtcagatct ccaactcctc ctccctcttc  
60taagccatca agtattcctc ggaaatcatc tgtggatctc aatcaagtta gcatgctttc  
120tccagctgcc ctatcacctg ccagctcatc acaaagatct ggaactccta agccatctac  
180tcctacacca accccttcat cgacccca cctcctgat gtcagagct caactcctag  
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300aactcagttt gtcagcagc aaagggtctt gagccaggca atgcctgtaa caaccattcc  
360tctttccacc atggtaacat ctataactcc aggaaccacg gccaccagc tcatggcaaa  
420ctctgctgga cttaacttca tcaatgtagt gggctctggt tgtggggccc aggct

475

&lt;210&gt; 2505&lt;211&gt; 446&lt;212&gt; DNA&lt;213&gt; Homo sapien

gacaattctc anggcctttn tggaagatcc catcganncg gttgcggcac gagaatgctt  
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120gtgtgttctt gctgttttga agtaatcaaa tgctgtgcat ggtatttttac ctgagctgca  
180acctgttatg gacttgaact tctgtttaag ttgaaagcaa ggtccctga gtataaagga  
240aaaacagcaa aacaaaaagc aaacaaaaaa aaactgcaaa agtctaaaat acccattggt  
300gatgtttttt aaaaaaatct tgctttcagc tttcaggagg taatattctt tgttttaatt  
360tgataatttg atatggttga tttatattgg gtttaaaactg cggagctttc atgtttactg  
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446

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240ttttccttac ctattattat tttcttccat gctttacaac acatttttta aactaccttg  
300ttcttaata attacacgga cctgcttctg tgtactttca cagaatcttt gacagttaaa  
360aattgtatgt tatataaaaa tttgaacaagc ttctacagtt aggaaaagcc ttagaaaac  
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444  
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300gtgctcctct catttttatt tttattttt tgggagagaa tatttcaaat gaacacgtgc  
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431  
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433  
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425  
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423  
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120agagagagag agagagagag agagagagag agagagagag agagacacac cctctctctc  
180tcttcttcag tgagtgtgtg agcagtggt gtgtctccc cccctctct ctctctgtgt  
240ctattgtctt tttctggcgc gtattgctt atctctctct ctctctctct ctcacatata



300tattcccccc cccctctct ctctctcaca caaatttttt cttttttgt tctgtgcct  
360ctctctctat aaaaccact ctctctctt tttctctct cgtgtgtgcg cttctctcc  
420c

421

&lt;210&gt; 2512&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

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60ttctctctccc actcctctct ttggtgtgaa tattggcttc ccaattaaga ctttttttt  
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420gg

422

&lt;210&gt; 2513&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120tgggctcggc ctgcctctgc ggggacttct gtatgcacc cgtgcagtgt ccccgacag  
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420at

422

&lt;210&gt; 2514&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gaagtatttt accttgactt accttctgtc accatatctg aaaaacttca  
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420gt

422

&lt;210&gt; 2515&lt;211&gt; 166&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgtttggctt gcactcttac ccatgatgcc agttgccttc attatattaa ctgagtttta  
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120cctttatttt attttaggg agttactttt ggctgcagga cctcgg  
166

&lt;210&gt; 2516&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga actagtctcg agagcagnnn nntttttttt ttttttttt  
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240ggagggggaa ttttactcca aaaaccctt ttttttaaaa aaaaaaacc ctgggggaat  
300ttttttttt ccgggtttaa aagaccccc aaaaaaaaaa aagggtttt cccacattt  
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415

&lt;210&gt; 2517&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120acagaaatag ccagaggtaa tggattcct cttaccaa at tgaaggatta gctctgtaga  
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360accatcccaa gagttaaaga attgcataga tcctttagtt taagggaaaa aaatn

416

&lt;210&gt; 2518&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120aaaacatgaa tcttgggagt ctacattttc ttatcaccag gagctggact gccatctcct  
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413

&lt;210&gt; 2519&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

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416

&lt;210&gt; 2520&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

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413

&lt;210&gt; 2521&lt;211&gt; 166&lt;212&gt; DNA&lt;213&gt; Homo sapien

atataccctg tctcactttc cagaggtagc agtcactaat actgggggtga gtgattttac  
60tcaaaggaaa tcacactatt aagcagcttg gttttgacat gtatgtttgg ggtcatcttt  
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166

&lt;210&gt; 2522&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cttttggttac ctaaataatg agtaggatct tgttttgttt taccaccagc acacagattg  
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120gagggtagtg cttagctat gttttagggc catacattta ctctatcaaa tgatcttttc  
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300gcctttatat ttcatatcat ctctgcctta taagtggntt agtgctcagt tggctctagt  
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413

&lt;210&gt; 2523&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgggggtgaa tgcacgtcag tggaggcaga atcattctgt ctgaatgaat ggagttttcca  
60ggccccccact ggccctctgt gtgaggggtc gcagggtttg gcaggacagg tctttctctc  
120cggcgagagc acccacctg accggctgct ggatgagggc accaaagctc gctagggagg  
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240cacacttcct gcagccaggc cgcccctggg gaggtcaggc caggccgggg aggctgaggc  
300ccacctgcca tagtgngcag gtgcgggagc caggcgaggc gtggcctcgg ggctgggtgg  
360ggcgcttgct ctctggtctc tggagtagtc angggctctg cagatgctga gagggc

416

&lt;210&gt; 2524&lt;211&gt; 414&lt;212&gt; DNA&lt;213&gt; Homo sapien

aaaagtaatc tttatgcctc agcctcccat gtagctgaga ctaccacac cttgggtccca  
60gctagtggg aggtgaggt gggaaaatca ctttgcccag gatataaacg ccgcatggag  
120ctatgattg accactgcac tccaggcaac agagtgcagc cctgtcttaa aaaaagaagg  
180gagaaagtgt caaatgggtg tgaggtctgg gggggaaata gagaatgggg atcacgagt

240tggatggtgg tattccctca ccaagatgtg acatgtaagc acgccgctgg gaggagaggg  
300tgcgacccgc gtggaatttc cacaaccacc ctccgtcgtg aggccacacc caatgcagag  
360gccgagaggg gggcacccca atcccccgga actgggattg tgaaggctag gtcc  
414

<210> 2525<211> 413<212> DNA<213> Homo sapien  
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60aagtcactg cctttgcccc agcacagaag agggccctgc caccctaggg acgggccaag  
120ggctggtcag gctgaagtgc ccctcctagc agggccctt cccactcagc ccgaggctgt  
180gggcaccaca gctcttgtgg ggcagccac cttagaacct gactagcgag ggacctccgc  
240tgcattctcag caaagccct cccagggttt gatcgattga gcaggacagc cctgctcctg  
300gacagggacc ctggttaagag ctctctcctc agggaggaag taggggtggg ggctttggg  
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413

<210> 2526<211> 416<212> DNA<213> Homo sapien  
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60ctaatttttag ggatacagtt gatataattag ttggatggca tagagatcat actcagaaac  
120cttcgctcac gcagcaggta tctgggtggt tgcagagttt ggagccattt tgggtagctg  
180atcttgctatt tctacgact cttcttggtc agtttctaga agacatggaa gcatatgctg  
240aggacctcag ccatgtggcc tctggggaat cagtggatga agacgtccct cctccatcag  
300tgtcatcacc aaagctggct gcgcttctcc gggatttttag tactgtgctg aggagcattg  
360gggaacgctt cagcccaatt cgggtcctcc aattactgag gcatacgtaa cagttg  
416

<210> 2527<211> 408<212> DNA<213> Homo sapien  
ggcacgaggg gagaggccgc ttgcatgacc ctgacatcgg cagcggggagc ggcgggccaga  
60ctctcttggga agtttaggat atttcacagt tctgaatgtt agccactgaa aatgccagta  
120gatgatgaag cctctgaaga tgacacggat tcatttttct caaacagccc aagaaccttt  
180attttccaat aagagaatat aacaatttct gtacactatg gaagagtttg acttggtgaa  
240aaccttacac aaaacttcat cttctgtagg atctgatgaa aattctcttc attctcttgg  
300actgaactta aatactgata ggtaagaatg ggatttaaaa aaatgtacc aaatcagaat  
360aaccttattt gcatacgttt atcaacttat ccaaatagtg tcgtagtg  
408

<210> 2528<211> 409<212> DNA<213> Homo sapien  
ggcacgagat tctgtggtgt cctagaagca ttattggtag gttctaaagt tttctagact  
60ttcctgtcaa ttgtaagtaa ttgtgatata ttctatgcag tggatgaatg ttctttaaat  
120ttgtgtaaat acttctgcaa aggtactgat gctgtaaagt caaacagtt ttgtggaact  
180gtgaattttt tttctttttt cttttttttt tctttttttt ttggaataa accccttga  
240aaaaccaatt ttgctgcctg aaaaagaagg gaaaaaaaaa cccagtgct ttttttaaaa  
300aaaaaccttt tggaagggat ttttgggttt tcttaacat gaacccctt gaaacgttg  
360gcggggccaac ctcaaagctg ggacaaaatt tttttttttt ggaaatgga  
409

<210> 2529<211> 408<212> DNA<213> Homo sapien  
ggcacgagaa caatatgagg tacagaaaga aaatgacaat ttgataactc ccattacaaa  
60gaaaagaatt actgagttca taggctgcca ttcaacgtgt taggaacagg gtagagctgt  
120gaggcacctt tattgctgag gaaatggaag agttgaatag gatttaggga tgaggatact  
180gtggagaatg ggatcaccca agggagtga gttgattgga ttgagggct tgggagaagg  
240tcaaggatta ctccagtttc cttctagagc ctctgggtgc aggtaggggc agtcattgtg  
300ctattggagt tgacagaag agagaatgtg aggttttagt gtggcacaga ggagaacctg  
360tggagtggag ttgtgtctac ccgtctaggc ttcagggagc cgaagact  
408

<210> 2530<211> 165<212> DNA<213> Homo sapien  
ctcccttggc gatctgcagg aacactagta atgactggaa ttactccgtg atctttgatg  
60actattacac ataacagcac tctagacct tttcttactg gcatggactt cctcatggac  
120tgctacttca tggatgatag cttcattgct ttgggtaggg attta  
165

<210> 2531<211> 409<212> DNA<213> Homo sapien  
ggcacgagaa agaatagaga gaaagggagc cgctgtgctg gtgggttaca ctgcagagga

60gtaagtcttg tgtcaaagca ggaatctgat cagaggttca gaattggaag tacaatttca  
120ttgcttttgc aatttctaca aattaatttt aaagtgtcag aaaaaggtga cggcaaggac  
180atgcattgca atttgcaggg ggaattgtca agtgaggact tcatcacata tgacacgaga  
240gaaaagtaag agctggttct aaaatcaaaa gctgttgttc atcctgaatt gaattttctg  
300aatttgggtg gagcagagtc gctttgaagc cttggtccga tctaattcta ttgtattggt  
360gatgataagt gttgacattg ggtagtgtaa agcaacaagc atgtcttgt  
409

<210> 2532<211> 409<212> DNA<213> Homo sapien

ggcacgaggt ttctcaagga ccttgaggac ccagaagcc cttgcagcag gaaaggctgt  
60aaggggggggt cagcctaggg caggacctag ggaggggaac ttcttgata catatttgcc  
120ttttcatccc atctagcaag cacagtgtta attttagaaa ttatagaaga aaaaatcagc  
180aaggagtggt ggaaaactgc atgccccagg cctccccgcg cccaggggtga attggaagcc  
240ctggaatggg ccgaggcaca ccaggcagct gatctgggtg catgtgggac acagaccact  
300ctcacaaggt taaatcttta acaagagcct catgtttgtt aggagaaggt gggacccagc  
360cccaagcact tccccattgc agcctggcat gaaatctttg ctttttagt  
409

<210> 2533<211> 412<212> DNA<213> Homo sapien

ttttcggcac gaggagagag agagagttag agagttagat atgagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gagagagaga gagagagaga gagagagaga gagagcgcgc ccccccccc tctatacacc  
180cacacgcgcg cgcccccccc tatctctctc ttctctctca ctgcgcgcac ttttgtgtt  
240ctttcgcgcg cgcgctctct ccccccccc cccctcactc tcgccccccc ccccccttc  
300ctttgcgcg ccccccccat atatctctct ccccccccc cctctcttt tctgtgtgtg  
360tgtgagagag ggatattttt ttttgttccc cccccccacc ctggtttctt tt  
412

<210> 2534<211> 411<212> DNA<213> Homo sapien

cgttgctgtc ggcgctgtgt ctgcctggg gtaggggtgt gtcctgtcag ccgtgggggc  
60tgctcttctt ggtggtggag gccaggtecc agtccttccc cacacttgta gaaacatgca  
120ttctctggtg gggcctgcaa acctgcccta ccaaactga aagaggggtg gctcatctcg  
180gaaccgcgtg cgtgccagc caggcacgag gaggtggcag gcatcccgac ccccggtggg  
240cctgtgttct agagtgcaga gacagaactg gctgggaggt gcggggcatt ggattgtacc  
300agtgtgggg aggagagcaa agcaggggaa ggtctcggca gcgcogaggt gtggccgaga  
360gggtgtgct ctgcaccatg ctgggatgca gaatggaggc ctgtgccgc c  
411

<210> 2535<211> 406<212> DNA<213> Homo sapien

ggcacgagcc tacaagttt gtatagcaag cctctttctc cccttggtgtg gtgcctcctg  
60accgaggttc tatgtctttg acattctacc tccagtattg cttttgtact tcagagatct  
120cttctgttgt tagagaaatg gctgcaaagt gaacataggg agttctttgt tgtgttatt  
180aaagatatgt atatttctg taaacagcta agtctgttta gatcctagga catggcattt  
240atatagcaga atattattta aaatattttc atctcgtgac ccattagcca ccaagtatgc  
300ttccttaggt aatttttaca tagtagtacc atgccagct ggatagagtt gccttgaaga  
360agtgatattt acaataaaac aaaattttac aatatttaca atanag  
406

<210> 2536<211> 404<212> DNA<213> Homo sapien

cgttgctgtc ggaagaattc gccgccgcat gagannnnn tttttttttt tttttttttt  
60ttgggggttt tttttaacca aaaggccctt cccccgtttt tttttaaac ggttttgggg  
120gttttaccce agcccccttt tttttgggaa aaaaaaaccc ctccctcttt ttaaaaaaaa  
180ccccctttct tttttttttt ttttaaaaaa aaaaaagggg gggggggaaa aaaaaaaa  
240aagggggggg ccccccccc cccccctttt ttttaggggg gggcttttgt ttttttaaaa  
300aagttttttc ccgggggggc cctttttatt ttccccctta aaaccccat tggggggggg  
360acggccccgc ccccaaacag aggggggaaa aatttttttt tttc  
404

<210> 2537<211> 403<212> DNA<213> Homo sapien

ggcacgaggg ggtggctttg atttcggcga tgagctccca gaaaggcaac gtggctcgtt  
60ccagacctca gaagcaccag aatacgttta gcttcaaaaa tgacaagttc gataaaagt  
120tcagaccaa gaaaattaat gcaaaacttc atgatggagt atgtcagcgc tgtaaagaag

180ttcttgagtgc gctgtgtaaaa tacagcaaat acaaaccatt atcaaaacct aaaaagtgtg  
240ttaaatgttt acaaaagaca gtgaaggatt cttatcacat aatgtgcagg ccatgtgcct  
300gtgaacttga agtttgcgca aaatgtggaa agaaagaaga cattgttatt ccgttgaata  
360aagaacaga aaaaatagaa catactgaaa ataactaag ttn  
403

<210> 2538<211> 403<212> DNA<213> Homo sapien

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60attttcactt aaattgctta cttccaagag gtagatggtg cagtgcagct agattgagcc  
120attgcactcc agcctatgca gcacgagtga gactacgtct tacaaaaaaa aaaaaaatc  
180tcggccctta aaacctttat ggtgtgtttt aagtccaagc ggaagtggga aaagtccttt  
240gttgggtttg gaccaaccac acttaaatgc cggcgaaaaa accgcttttt tgggaaaaatt  
300ggggaccccta tgggttttatt taaagccctt ataggcgcga aaaaacaggt tagcaacaaa  
360agtgtggttc ttttaattgtt ccagggttagg ggggaaggggg ggc  
403

<210> 2539<211> 406<212> DNA<213> Homo sapien

ggcagcgaga ctagtctncc cagcaaccgt tccgtgtttt cttttcttc ttttaaaaaa  
60aaaaaaaaat gaagttttta ttttttaggc cccaatgggg gccggggagg tggccaaaaa  
120cggggccccc agaaaaaccc gagaaaattt ttgtgttaaa aaacacaaga ttttggcccc  
180ccccagggt ttttgggggt ttggccaaaa cctccccctt tttggggggg cctttcccc  
240ccccgggggt tttaccccc aaaaaaaaat tggggggggg gaggggaactt tccctttttt  
300cccccccgcg ggggggtttt aaaaaaagat atgggggggg ggccccctcc tctacccca  
360ggaaaaacct tgggggcccc ccttaaaacc aggaggggtc agagcc  
406

<210> 2540<211> 405<212> DNA<213> Homo sapien

ggcagcgaca aaaatacaaa aattagccag gctgtggtgt gcacgtctgt aatcccagct  
60gctcgggagg ctgaggcagg agaatactt gaaccaggga ggtggaggtt gcagtgcagc  
120aagattgcac cactgcactc cagcctgggc gacagagtga gactccatct tggggggaaa  
180aaagtatata tatatacaca cacacagaca cacacacaca cacatatatc tctaaatgtg  
240tgtatagaac cttttatcag tataacattg atttataatt aaatgtgggt gaggaagaat  
300gtgtggagtg tttcagaaat tttgatccta aaagcctttt cagaaactca aagctttcag  
360aaattaatag ttatattaat agccttctaa acagcattaa gtttt  
405

<210> 2541<211> 403<212> DNA<213> Homo sapien

ggcagcagct atctttattt tgggcacact atagcttttg ttaattattt ctttgcactt  
60gttagaatct gtttttgaaa aaaaaaaaaa aaaccttttg ctttgattcg gggggactcc  
120cctttcttaa aaaaccaatt ttaaaggata ttaggatgga ctttcaaacc caatatcttg  
180aaaggcgatt tttaaaaaat ttagctcct gcctcccaaa ttaggttaac ttggaccaga  
240aaataggcgg agagccccc aatagaggtt aacttaccta tttaaactg atctttcgac  
300tttaaaaaaa aatgaaggcc ccgtcaaagc ttccttagag ggcgcttatg aacaaaaaaa  
360aaccttagga tgtccaaatc tttcctgag aactttctaa gat  
403

<210> 2542<211> 407<212> DNA<213> Homo sapien

ggcagcagat gtgatgatg taactctgaa gcttatgtct gtagcttttg cagtgttcac  
60aggttggaga cttaaacttt ttaagtaac atagttcagt tgtttttttt ttgaaaaaaa  
120acccttggca gttggaagga cttttcccaa gggccaaagg ggagtggaag tccaaccggc  
180cttgggttaat aaccattact tttccccag ggaaggacca aacggattct tttttcct  
240cctcaagcct cccaaacaaa aggtaaacca gcctgggcct attttaagtt ggacctggcc  
300aaaccaagga tttttttaat aaaaaattta aaaggtccac cattagaacc cggataattt  
360ttacccatt ttctttggcc cttatttttt aaccctccca agaagcg  
407

<210> 2543<211> 406<212> DNA<213> Homo sapien

ggnangagtt ccgagccgcc gtaagactgg ttccggcggg ctggtgagga atggagccgg  
60taggctgctg cggcgagtgc cgcggctcct ccgtagacct gcggagcacc ttcgtgttga  
120gtaacctggc ggaggtgggt gagcgtgtgc tcaccttctt gcccgccaag gcgttgctgc  
180gggtggcctg aatgttcgca tcttaccaca tacagttctt tacatggctg attcagaaac  
240tttcattagt ctggaagagt gtcgtggcca taagagagca aggaaaagaa ctagtatgga

300aacagcactt gcccttgaga agctattccc caaacaatgc caagtccttg ggattgtgac  
360cccaggaatt gtagtgactc caatgggatac aggtagcaat cgacct  
406

<210> 2544<211> 403<212> DNA<213> Homo sapien

nnctcggcac gagaatccat tcccaggggc ctcccggctt gtcccagccc ctcttttgct  
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120ctgggacagct tctgtttccc tctgtgcct gggagctgag gcacccgtgc cagtggcaga  
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240aggggtctgtg ttctccagga gaatgagggt gttggtccca gaattgggac cggggccccc  
300ctggccagcc ctggggcact tcccgggtct ccattgtgcg tgggtggcgt gttccaggcg  
360tggctggagc tggcttcctg gctgtgctgc catgggcccc tcc  
403

<210> 2545<211> 403<212> DNA<213> Homo sapien

cggtgtgtgc gaagacctgc ctccatcct ggcagcccag cctgagaccg ttgcattgag  
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120cactgggccc cctcccctgc tgggcaatcc tgggaaggct tggaggttcc tgtggacctc  
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240ctcttttccct cccctctggt ctccattctc ttcagctccc tacatgggct ggggaggaga  
300cacctggtgg gcagagctca ggcagagggt tggatttcag ctccctcact tccggggctg  
360tgtggctttg gcagatgtca gacttctggt cttgcttctc cac  
403

<210> 2546<211> 404<212> DNA<213> Homo sapien

ggcacgaggc caagaggact cagactgtgg aacttccgtg cccccaccc tcaccaaggt  
60taaatgcctc cctctcggtt catcctgaga aagatgagtt aatccttttt ggaggtagat  
120atttcaacgg ccaaaaaact tttttgtata acgagctcta tgtctacaat accagaaagg  
180acacctggac caaagttgac ataccagtc cacctccgag gcgctgtgct caccacgcgg  
240gggtagtgcc tcaaggtggc ggacagctgt gggctcttgg aggggagttt gcctctccca  
300acggagagca gatctaccac tacaaggatc tctgggtcct gcatttggcc accaagacct  
360gggaacaagt caactggcca tgtccacgac caaatctgcc tttt  
404

<210> 2547<211> 402<212> DNA<213> Homo sapien

ggcacgagat aattcagtg catctcatgt agatgtacca ctttcttatt gcaactcaga  
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120gtcaccttgt ctagcaggat gcaaatcctc aagtgggtatt aaaaagcata cagtgtttta  
180taactgtagt tgtgtggaag taactgggtc ccagaacaga aattactcag cgcacttgtg  
240tgaatgccc agagataata cttgtacaag gaaatttttc atctatgttg caattcaagt  
300cataaactct ttgttctctg caacaggagg taccacattt atcttgttga ctgtgaagat  
360tgctcaacct gaattgaaag cacttgcaat gggtttccag tc  
402

<210> 2548<211> 399<212> DNA<213> Homo sapien

cggtgtgtgc ggtgtggggg tggagtggct cttgcccacg cctctcacct ctgccttcat  
60ttgtgtgccc accctgcccc tccctcgctc tectctccc cttctctctc tctgtgtgcc  
120tcagtctcct gccggaagaa atgggttgag cccgaaagga ggctgtctga ggaagggaga  
180gggagggcct ggggtgttnn tnnnnntntt tnnntttnta cttttctttt ttttcttcc  
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300ctgtttcttc ttgccttct taatttacct ttcattccct ctttttccac ttcaactcac  
360ataattaatt ttctctttcc ataactttaa cccatgtat  
399

<210> 2549<211> 398<212> DNA<213> Homo sapien

cggtgtgtgc ggcatgttg ccagactgg ttttgaactc ctggcctcag gtgatctgcc  
60caccttggcc tcccaaagtgc ctgggattac aggtgtgagc caccgcacct ggccagaccg  
120cttcacttgt aaaagaaatt aggctaataa gaagggtgtag tttttgagaa atgaaattta  
180acttttagcct tttcactagt aaatagtcac atctcatttt cttcctttgt aaaatgggg  
240tactactggc cctacctcat attctatgag aatgagtttg tagctgtttc aaatcatgaa  
300gtgcatagta tcacatgtga tagaatattt ataacttttt attagatgct taatgttcaa  
360ttaagtaatt ttgatgtgaa aaataaaaag aataaaaag

398

&lt;210&gt; 2550&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt actgcttcct ccaaccaggt ggagaatcct ggcaagcact acctcagcca  
60gagatttaaat gttgatagta aatgcatgta gaaatggatc catctggaaa catagagata  
120ggaaaacatg attcttttac tttttttttt tttttttaag ggaaggggct aattttgtca  
180cccaggctgg agggcagggg catgatactaa gtcacatgaa agggcccttt cctaggctaa  
240aagggccctt ccacctaagc ctcttgaaaa gtaagggata aatggaaaagg ttttttttta  
300ttggatcttc ttattgggac acgggggacc ctgaaaaaaa ttttcggggc gggctggggg  
360gttaacacct ggggcccac cacttgggga ggctggggcg n

401

&lt;210&gt; 2551&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga ggcattgtgt atagtgtgt tcgggctctt cccacgaaac tcggctctgc  
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120tcattgtccct tgggctgtg aggtgaggaa gggctccctga gccctgtggg gatagagact  
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240tgggagacag accatctctc tcagcgggtc cagccatgag ccagcagact gtttccatt  
300ggcccccatc tttcagagt ggatgatctt tctaacaaag aaaccacac aggaatttgg  
360cgtgtgtgt catgtgtgta ttaccttga ggatg

395

&lt;210&gt; 2552&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

gagtgataga acataccaac gttaccaaga aatttacaag ctgctggctt taagcttatg  
60caagtggtag ttgggaaagt aggaggtgtg gaagaggggt tgcatttttg attaattcat  
120gcaaaatgaa ggaggaagcc tggcttaaga agatactgtc tttcaataga aatgatttct  
180aaactgctac agattaagaa tagataatct gattgctgtt gttttgtttg ttggaaaga  
240aaaaaaatgt ctggcttctt ctactatttg ttttactac caaactgtgt tactaaattt  
300cttgtcatcc ttgtatgtaa aatgggtgct gggggtggag ggggtataaga ggaggagag  
360tcataagagag tgtgtatggc tttgatggca ctggtt

396

&lt;210&gt; 2553&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggtacaga tgcccctgag caagtcgagg agattctgga tcacagtgg  
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180ggcagtgagc aagatgaggg tgatgtagac cctcaaagac caccaaggcc agaagtaaaa  
240attaccagtc cagaagaaaa tgaaaacaac caacaaaaca aggactatgc tgccgtggct  
300tanaacattt ttaaaaagag agtatatgga tcgcaagaaa aatgaagggt tatcatactt  
360gaaagataag cacatagtta ttgctgaata taatgtgg

398

&lt;210&gt; 2554&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180ggaatgagaa ttactttttg ggtgagagag ttctccattt taatgtttct aaagttttct  
240atatgaactt ggcattggaa aagggaggta aagaaaaagg acgtttacta aaagcagtgt  
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360gttttgtgtt gccatgttaa gcatggagag ggatg

395

&lt;210&gt; 2555&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180aggaaccaac cccctctac atattatgga aagaaaatat tttggccgat cctaattctt  
240ttataattat gcggggaaaa agtaaaccca ttaaacgatt ccagttggaa acaaaaaaaa  
300aaccttttaa aactataggg ggccggtttc cgtaaaccca aactggataa aaaccttgga  
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398

&lt;210&gt; 2556&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc accatgcccc gccaatccat gaaatcttaa tggctcaact aaacaaacat  
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120ctcagagatc tagacagatg gagtctttac tatcttatga tgttgctgct tcaacacaca  
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360ctactatgtg tactgaggaa caggattcaa gctgtatt  
398

<210> 2557<211> 401<212> DNA<213> Homo sapien

cgttgctgctc ggggtattatc ttttaagttg tcagcaagtt accaagggtat tcattaaaga  
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120cttttaaactc taccattcat tatgtggtaa ctgtattgaa cttactttat ttggatttta  
180ttttaatgtg actagatgct accacttcaa aaaatcaatt tgttcttaga acctgggtga  
240aaataccagg aaactgttac agactccatt tcaaaaaaaaa aaaaaaaaaa aaaaaacccc  
300ttggagcctg gggggggggtc caaaaaaac ccccatcttg ctgaaagggg ttttttaaaa  
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401

<210> 2558<211> 400<212> DNA<213> Homo sapien

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60gaacggaggg aaggccgtgg acgagcggca gctgttcac ggcaccagcg ccattttgt  
120ggacgccatc tgccagcaga actttgactg gcgggtctgt ggtgttcacg gcactttta  
180cggcaagggg agctactttg cccgagatgc tgcatttcc caccactaca gcaaatccga  
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300tgctccttt gtccgtccgc cggccaagga gggctggagc aacgccttct atgatagctg  
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400

<210> 2559<211> 400<212> DNA<213> Homo sapien

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120ttcatacagg tcttatacag ttctagtgtt ttatatctac agattttatc tttttgttg  
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240caccctccc acatttgatt gatagacttc ttgatccctt ttgattctc ttcctaccc  
300ccaagcaggg atttgaatat taattttttc attgagatat aattcacata ccataaaatc  
360aatcctttta aagtatgtaa ttcagtaggt tttaatatag  
400

<210> 2560<211> 396<212> DNA<213> Homo sapien

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120ccaccgcccc tgggaagccc ttttgaaag cctatacggc tcagacatcc gagagcatga  
180ccccaactgc cacttcagag acttatttga aagctttggc cgattgccat ggacctctg  
240accactatga ttttctgac aaagctcatg agctaaagga tgatgaacat caaagaagag  
300tcatacagt tttgcagaaa ttacacgagg accttaaagg atacaatata gaggcagaag  
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396

<210> 2561<211> 397<212> DNA<213> Homo sapien

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120gatcccaagc tcagtcccca caaagttag ggccggtcgg aggcaggggc aggtccgggt  
180ccaaaggtaa gtcgcctcat caccggctgc ggagaggcgg gaaggctggg gttgccctg  
240accccagggt cctgccttag gcctccaact tcagggggct gggtaagggg cgccgctca  
300ctgccacacc ttcattccagc aaggacacca cagctcttcc gactccagca gcagctccag  
360cgattcggac acggatgtga aggtaagggg ctctcgc  
397

<210> 2562<211> 401<212> DNA<213> Homo sapien

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120aacacagcgc tgcacgaggc tgtgattgaa aagcacgtct tcgtggtaga gctgcttctg  
180ctccacggag cgtcagttca ggtgctgaac aagcggcagc gcacggctgt agactgtgct  
240gaacagaatt caaaaataat ggaattgctt caggtggtag caagctgtgt tgcttcatta  
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401  
<210> 2563<211> 391<212> DNA<213> Homo sapien  
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120tgaatttatc aagttaggaa gctctgtcat tgcacagaaa taccttgttc tcaggagagt  
180cactaaccga agtgccttctg taaacaaggg acataagcag agaaggggta tgtaagtaca  
240gaaaactcat gattacctgg ggaatagtta aatagatttt aggtattagn tggttttttt  
300ttcctctctc tctctttggg ggaatttttc tgtttactga gtcattcttc attaggggt  
360gaggtgtcaa aaattagaca aaacaaacta g  
391  
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120gctaaftttg tttttttagt agagatgggg tttctccatg ttggtcaggc tggcttcaaa  
180ctcctaaccct caggtgatct gccacacctg gcctcccaaa gtgctgggat tataggcgtg  
240agccaccgcg ccggctgcct taaatctatt tatctgacgt tcccaactag gaaattttt  
300gtccaaatga gtatatgtga ttttaagta gaaatcgaag gtaaaatagg atttatctca  
360gntcctatct cccttcaatc tattcttcat attg  
394  
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120actaaaaata cacaattatc caggtgtagt ggcgcatgcc tataatccca gctacttagg  
180aggctgagggc aggagaatca cttgaacctt ggaggcagag gttgcagtaa gccgagattg  
240tgccatttga ctccagcctg ggcaacaaga gcgaaactcc atctcaaaaa caaacaaca  
300aaaaaattgc aaaatgtagt caccctgtta tgtttcatga ctctgaaagt gttatgtgtt  
360tttttaacag taaacagtca cttcaatagt ttn  
393  
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120cattttttat taattttggt ggtcattaca atgagttgaa tttaaaaagt ggttaattgc  
180tttataatat tgtattttga acaacaccac tcttattcat tttaaaaatg cccactgtga  
240cagaaatatt acaatttcat gtttagtta gcaaaaataag caaaactggg agaatttaag  
300gtggcatctt atttactgct ttccagtagg attataatta aaaatttact gaatgaagt  
360gtataatatt gataaattaa ctgattttct ttct  
394  
<210> 2567<211> 391<212> DNA<213> Homo sapien  
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120gtcactgggtg tggctttttc tttcatgcag cgagtctgac agtgacctaa agcctgtggg  
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240agagagtggg gacatcgtct ctctattca tgactgagga agtgcctgca ggaaacaagc  
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391  
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120tccccgcaa gagctctgcc aggggcgggc aaaaaaagt aaaaagaaaa gaaaaaaaa  
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240ttataattat gcggggaaaa agtagacca ttaaagcatt ccagtgggaa acaaaaaaaaa  
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392

<210> 2569<211> 393<212> DNA<213> Homo sapien  
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120aaaacaaaaac aaccccccaa aaaaacccaa ttaacattct ttcaccccg atttcctaga  
180ctttattttta gctataacaa gcaaacaccc tcttccatc cttctaaaag cgtgttcctg  
240aaacctcact tggagagttt tacggaaatg cagcgacagg actggaaata atgacagcaa  
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393

<210> 2570<211> 393<212> DNA<213> Homo sapien  
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60gccttttttg gggggggggg gaaaaaaaaa caaattttcc ccttcctag aaaagtcaaa  
120acaagggtttt cctggaaacc ttttcaagaa aaagttaaacc aggttggtt ttgaacctt  
180ggccattttt tttttttaa aaaagcaaaa ttccagcccc aatccttttg aagggtttg  
240aaacccccaa acccccggag aagccctcca ttttgaagg ggaatttg agaaaaacct  
300gtttttcccc gaatttgcc aaataaagg aggtttttt caattcgggc ctaaaaaa  
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393

<210> 2571<211> 391<212> DNA<213> Homo sapien  
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120ggttaggaatg tacctggtga tatgaggcaa ggacagggga gctggggcag gtgatgcagg  
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360tgtgaggaaa gtgtctgttc aggttaggtg g  
391

<210> 2572<211> 394<212> DNA<213> Homo sapien  
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120aaaccagggc cctcttttt aaatatccg ggtaccccaa gcggggcagg ggtttttggg  
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300tccatagacg ggaagccag ccccttcccc ttgtaaaaag ggggagccaa aatttcctga  
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394

<210> 2573<211> 391<212> DNA<213> Homo sapien  
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391

<210> 2574<211> 391<212> DNA<213> Homo sapien  
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180cagccctctg ttgaaaaaga gaacttggca atagaaagtc aatcgaaaac tcagaaaaaa  
240gggaagatat ctcatgacaa aaggaagaaa tcaagaagta aagccatagg ctcatgact  
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391

<210> 2575<211> 392<212> DNA<213> Homo sapien

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300cttcgccttc cgggaggaca agcagaggaa gctgcagcag atccaggatg ccagaaacca  
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392

<210> 2576<211> 391<212> DNA<213> Homo sapien

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120acatgtctaa ttatgatgaa gaaggagcat ggcctgttct tattgatgac ttgttggaa  
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240tagaatgtac atagtctgta caataaatac aacagaaaat tgcacagtca atttctgctg  
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391

<210> 2577<211> 392<212> DNA<213> Homo sapien

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120accatgtgtg gctacaaaac tatcgacaag gagcgtttca gtgtgcagga tgtcatctac  
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240ggcatcctcc tgggcatcct gcttccccag ttcttggggg tgctgctgac gctgctgtac  
300atcaccggg tggaggacat catcatggag cactctgtca ctgatgggt cctggggccc  
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392

<210> 2578<211> 392<212> DNA<213> Homo sapien

ggcacgaggg ttgatatgtc agatctctct ccagaagagc aatggagggt cgagcacgca  
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120atcgcaacct tgggtggtggc ccagctgctc ctggtgcagt ggaagcagag gcacccacgc  
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240ctgcactggt ggaggttcct agtgatctgg atcttgttct ctgctgtcac agcctttgtt  
300accttccgag ccacccgaaa acctctagta cagacaaccc caaggttggt ttataagtgg  
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392

<210> 2579<211> 384<212> DNA<213> Homo sapien

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120tatcaagcaa cagcatgcc acaactttgc ataaataaaa aataataacc tgagcctttc  
180atcttgggaa tctaataaaa taaatgtgtg ctgttttccc cattagccct caccttagcc  
240agcccttaca ttgtggacag aggagtgatg tcattatttg tgagctagat gactggctca  
300gtaggtgccg tgtggttctt aagaagattg taggtcttgc cattgcgtct tgtgtctctt  
360gtctgacagg tggaaacatc tgtg

384

<210> 2580<211> 385<212> DNA<213> Homo sapien

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120ataaggaata cacatacacc cacatgcaca caccatagtt ttatacaaa cagcaataac  
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240atgctatatt ttgctattca aaatttagtg ggcattactt aacattgttt ctaattattt  
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360tataaagaaa tacctgagac tgggt

385

<210> 2581<211> 388<212> DNA<213> Homo sapien  
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120ttcaaccatg agcaacattc cttacatctt aatggaggga aacagagctt aaacaaatga  
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240cttagtgga aaggcccttt cttttcattt ggtgtcttgt tttctactct tgctcatgaa  
300atgttctgag tagcttcaaa tatgttttaa attgaattgt gtagagtcca gtacctctga  
360gaggtaactg agtgcagcta ttctaggg  
388

<210> 2582<211> 384<212> DNA<213> Homo sapien  
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60tgtcccatga aacaaaaatt ggtcttttcc taagcaacag aacttttagat ggcaaagaca  
120aagctggcct ttgtccagat gaagatgata tggaggaga ttctttcttt gatgatccca  
180ttcctaagcc agagaaaact tacggtttga ggaagggaacc taggaagcaa gcaggaagtc  
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360tcagtataa aattggatca cttg  
384

<210> 2583<211> 156<212> DNA<213> Homo sapien  
nnctctgatt tgagaaaagg gaggagggga agatagtctg aatggaaatc tgaaatacgg  
60aatgttttag agaaatatgt cacttgcata tagaatgtt taattgaggt ataaaaaat  
120gagacaaagt gaaaaagaaa ttatattcag ataggn  
156

<210> 2584<211> 389<212> DNA<213> Homo sapien  
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120agttgctcgg actcaaactg ccagtcctcg tgcgaccgag ctgggtcggg agtgagcagg  
180ctgaggccac catggagcag tgtgcgtgag tggagagaga gctggacaag gtctctcaga  
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389

<210> 2585<211> 386<212> DNA<213> Homo sapien  
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120atgggggatg gggagttgag caaggaaaat aatttgcata atggtgtttg ctccctggtg  
180aaactgaaac ccagcctgtg tgggtggggc cttgtttcca aacgtcagcg ctgctgcccc  
240cgaaggcctg caccaacgca cggtgccctc cgggccgccc acagaggccg gcgtctggcc  
300aggagcagg gctggggaca gcaagtgtga aaccagctga agcacctgca gctcaagcgg  
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386

<210> 2586<211> 385<212> DNA<213> Homo sapien  
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60ctttggaagt ttgattatat cctgaaacct aaaatcacat ccttattgat tctgagtctg  
120ctaaaagtta tttcaactaa tttgaatatt atcgcaaaaa gtttacttga gaaaacaagt  
180tgaaattgaa attttgactt gctaaaatta cattttttta acggtagttt tgaatgacat  
240tctaaaggta atttagttgg actttgtgtt tatatggcca atttggggaa tggccctgta  
300tgttttttgt aatgccataa tgggagctgc agtggtgtgc aggtatcaaa aagcttccca  
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385

<210> 2587<211> 387<212> DNA<213> Homo sapien  
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120tgagcgcct ctgccagcag aactttgact ggccgggtctg tgggttcat ggcaacttct  
180acggcaaggg gagctacttt gcccgagatg ctgcatattc ccaccactac agcaaatccg  
240acacgcagac ccacacgatg ttcctggccc ggggtgctggt gggcgagttc gtcaggggca

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387

<210> 2588<211> 384<212> DNA<213> Homo sapien

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120ctggaggagg agctgagccg agtgaaagca gcggcactca gcgagcgtgg ccaggctgag  
180gaggagctga tcaaggccaa gagccaggcc cgcctggagg agcaacagcg cctggctcac  
240ctggaggaca agctgagact gctggcgag gcacgggacg aggcgcaggg cgcttgctca  
300cagcagaagc aggtggtggc cgaggcccag acccggttca gccagctggg cctgcaagtt  
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384

<210> 2589<211> 389<212> DNA<213> Homo sapien

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120gatgggttta ataaagtttt tccaatggag aaattaagtt ccttcagcca tgaagaagtc  
180caaatgattc tttgtggaaa ccagtcacca tcctgggcag cagaggatat tatcaattac  
240actgaaccta agctgggtta tacacgtgac agccctggtt tcctgaggtt tgtgaggggt  
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389

<210> 2590<211> 379<212> DNA<213> Homo sapien

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120ttgttggatt aaacacattt caaatggaa agacaaatat tttatttact gacctaaaac  
180aacactacct atgaaattca tgcactattg ctttcagatt acttacagga ttatatcaat  
240ttaacatttc tttgtgagat taagcatttg aaatccatag tcagagaact attttaaata  
300tgagccacta attaacaaaa tatacatata gcttctacat ttccatcagg ttatgtattt  
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379

<210> 2591<211> 379<212> DNA<213> Homo sapien

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120gatgggaaaa tttcttgctc agtccgggga aacacaccta ggtgctggtg atgggcttat  
180gaaggaagct aagcacggct gctcactggc cccactttg tttcttgggt aattcacagg  
240ggaattccca gtactgtcat ggagcagagc aggcagtggg tgctgatgtg tgtgcatgag  
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379

<210> 2592<211> 380<212> DNA<213> Homo sapien

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120cccttctttg tcttcttgct gtttctttta ttctcagc ctgcggggcg gggcggggt  
180ggcgccagg acgactcccc gggctcagct tggctgcctg cctccttctg taagtgtctt  
240ttttttcttc acctgggacc ctctanaggt tggaaagaga agagaggctg ggagcggatg  
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380

<210> 2593<211> 381<212> DNA<213> Homo sapien

cgttgctgac ggttttaag agatgagctg agaaagaaat gtggaatgga gtatatattga  
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120gtaaaccaag agagtagaaa tatacccatc ttattttaag ttgggtttat ggcacgctc  
180atatatgtaa aagcactaca aactctttaa agaaaattgg gaaactacag agaagtcaaa  
240gaaaaaaaaa agtaacccat atttctattg cccaggcata atccttgta aaattttggg  
300ttggcctcct ctttttcccc caatatagtt gcaaataaat gatgtcttcc agagttgaca  
360ttaatccttg agcttgaatg g

381

&lt;210&gt; 2594&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcgagcc aagactcctg tatgtaatgt agcagctacc tcagctgggc cctgtgggtga  
60aggaacagag ctgacatctg agcctcaaaa atccagccca ttgttaacta gattaccaga  
120atatcctccg cattctgaaa acattcagta ttttcaagat ccaaggactc agataccctt  
180tgaagtccca cagtacccac agacaggata ctatccacca ccttctcttc tgttcagtgt  
240aaactttctt gcggatttct cagagagtgt gagggtgaca aactttgaag aagatcatct  
300ttcccattat tctccctggt cttggggcac catcggtctc tgtataaatg ccattgattc  
360agagcccaaa gatgtcattg

380

&lt;210&gt; 2595&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctgctgaac tgtttttgt gcttctctta agcttttctt ttgggtacaa  
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120atgggtcaact aaatgtttcc ttatgaaagt gaaattggga aaagtcaaga taaatcctag  
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240atttggttgc ctgtggtgct ttgcaaaact ttggttgtga tttatcctgt cattcataaa  
300ttatggcaca tatgtggag ccaaactctg cattaaataa attctcacat aattccctac  
360attcatttat ttcactaatc at

382

&lt;210&gt; 2596&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctccttcaga accccaccca gtgttgagga agcttcgggc cattaataac tataacccca  
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120acgatattca ccgttccatt aagtataata tttggtgcag cacagagcat ggtaacaaga  
180gactggatgc tgcttatctg tccatgaacg ggaaaggccc cgtttactta cttttcagt  
240tcaacggcag tggacacttc tgtggcgtgg cagaaatgaa atctgctgtg gactacaaca  
300catgtgcagg tgtgtggtcc caggacaaat ggaagggtcg tttgatgtc aggtggattt  
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379

&lt;210&gt; 2597&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtggtgac tccttatcta atggatgaat gtcagttatc tccagctttt  
60gcaattatag cagtaaatgt agcaaatata aagccatatt gggcttgttg aaaatatctg  
120taagataaat tccttgaaat taaaatgatt acgttctctt ctgtggatct tagctggcac  
180attcccccta cacacatttt ggcatccttg ccttctttct gcctctcatt ttctgttctt  
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300tgcagaattg aggggtggcc ttagacctgg tatgtggagg agagaatgat taattatacc  
360tggttcattg tttag

375

&lt;210&gt; 2598&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctggagtct cttaaaattc acacttgtag cagagccagg catcacagag  
60cacatactaa cttttcagca tctggattcc ttatatatct tttctctac catgaacagt  
120taagtgtagc agttcaaagt tccagctctg gaggcagagt cctgactctg ttaggcagggt  
180ctttaatctc aactataaaa tgaagttaca aacattgagt gcctcatagg gccagtgtta  
240agattaaatg aaataaatat aaaccatttg gcatgggtcc tggagcgtgg ttaagtgtc  
300agtacgatga tgcctctgag atcagagatg tgccttagat atctttttga ttcagtacca  
360tcacataacc tcagagag

378

&lt;210&gt; 2599&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcctagttag tgttttaaca tgaatgtcta attcatggcc aatcttattt  
60catctgtact tcttccacat ccccatctt acaaaattat tttatttaa aagaaacatt  
120tttaactttt tatttttaaa atttgaaaat taatgattaa aaatgttact tttataaaag  
180tgtaaatatt cagtatttaa aagataattt taaaaataac cacaatacaa ttttctacc  
240taaaaaattt taatgagttt cttagcaaat atccaagcca ttttgtatt tctctgatag  
300ttttataaat ctgtatgtat gtgttttagtg acttttttga attaagattg aaataagatt  
360cataaaatca ctat

374

&lt;210&gt; 2600&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gagggcccca ggagggtctc aggcagcttt gctgggagtg tccacatcac  
60cctgaccccc gtgaggcctg acaggacccc acgcccagcc agcccaggac ccagcctccc  
120agccaggtcc cctcccccac cccaccgcag gagactggcc gtccctgcca gcctcgacgt  
180ttgtgacaac tggcttcggc cggagccccc tggccaggaa gcccgagtg agagctggaa  
240ggaggaggag aagaaacccc accttcaggg caaaccaggg agacccttgt ccccgccaa  
300tgtccctgct ctgcctggcg agacggngac ctccccagtc aggtgcacc ccgactacct  
360ctccccggag gagat

375

&lt;210&gt; 2601&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cctgctccgt gtcattatca agcgttaata aagcatactg gcaggcacca  
60gactacaggc ccttggggaac agccttctga gccagcattt attcacactg cattaccgtg  
120tctctccatgt caagtcccta ttcctacgga atgacttggg aaacatgagg tgagtccagt  
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240tcagaatcac acatgtatga cagaatgcca caaagtaact catgctgatg gctgcactgg  
300ataaaacaag gctgtgccag aatgccttca ttgtgaggaa gggagctcca agtcacggcc  
360actaggttgt cttcacc

377

&lt;210&gt; 2602&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtgggcatgg tgggtgtaac cgacctcaag gtggccacct cctgctgct gctgctcttc  
60gccatcttca tgggcctgcg ggctccaag atgttcgggc agcggcgcaa cgcgcaggcg  
120ttggagctgg cgcacatgct gtactatcgc agtacgtcca acaactcggg gctgctcagc  
180gccctggccc tgcgcgcgca ggacgagcac accaaggagg cgtgctggc tcacagcttc  
240ctggcccggc ggccaggggg cactcaaggc tcgcccgaag agacctccag gtggctccgg  
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360cgggcccctgg cg

372

&lt;210&gt; 2603&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcaattccg tgctgcttac atttctatc ctttatagga ggccgagctg cagggggggg  
60cctgtcttct ggggggagag ggtcctcaaa ggagcggagg cagctggaga cccctggagg  
120aatcttgtag ggctggggac gtaagacagt cccatggaac aaataagatg gaaacagctg  
180caacatatat ttttctctt tagagatcca acctattcc atttataata aactgagaag  
240ttctatatca aatataactg cctgtaacat tttaaattgc ttcaatctga gtttaacacc  
300cacctttcct ttcattctct agcaaataat cttaaagctg tatctaact gcagtcagaa  
360aaattacaat n

371

&lt;210&gt; 2604&lt;211&gt; 353&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120gcagttctaa tactgaatgt tctgactgtg gtttactatg tatttcaggt tattttgtt  
180aatctatcca gtaatcctt catgtaacaa ttatgatgtg tgtgttttag gtggggctac  
240taaggctagt aagtagtgag gctggattta aacttaagtc tccagcttcg tggcccaggt  
300cttttatact tgactccaca ctgggcttat taagtgaatg acaaggagtt tgg

353

&lt;210&gt; 2605&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

actacggctg cgacaagacg acagacgggc tagctaacgg tcgctccacc catagaaacc  
60aaagtttttt tggcgggtaca gggaaattat aggatgttac tgtgcccccc acccccatta  
120ttagctgcgc tatccgcagt gacatgacca tgtgtccttt cttgatgggc taagtaccag  
180cagatgcgat catcagtgct aactcaagac aatatctgaa ggctgggggt gctgctttt  
240ttcacatttt ttttttttaa ataggaaaaa aacttggaag cttgcagaaa tcttctgtg  
300acattttatt ggctggatta taccacatgc ttatttctat ac

342

&lt;210&gt; 2606&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgct agaagacgac agtagggctc atgaggaaga ggaggaaaag agcattaccg  
60ctgtttgtca catgaggatt catttgacga tagtatgaaa atggaggcaa tttttccagt  
120ctcaagaatg gtaaaaggca caggtgggac ttgaaccag actcttggt tcaagtccag  
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240ggaagtttag tccttgggac gcttggcctg ccagtctctg aaaaaaatat gatggggatg  
300gtggtggtgg tagtgacagt tgggttgagg ggaca

335

&lt;210&gt; 2607&lt;211&gt; 331&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttacggctgc gagaagacga cagaggggat gagccactgt gcctgaccta ggttatcatt  
60cttgagaaaa gtttaaacat gccatataaa tcaaaatatt gatgacatta attaatagca  
120cttaattctg actttgactt tttttcaatc ccattagttt actttcattt cttacctaaa  
180atttggttag tggtaatatg aattctgaac ctaatatatc atcttattat tttctgctca  
240atgtgtaaca ctagtctgac tattttattc tttttttttt tttttttttt tggaaaaaag  
300tttccacttt tggccagggg tgaaacgccc g

331

&lt;210&gt; 2608&lt;211&gt; 457&lt;212&gt; DNA&lt;213&gt; Homo sapien

attgcgatat gtcantcgnn nntcgtcggg tcccatggac gggaattctg cagagagtt  
60agcacagcca acggaatttg attgaaaatt gaatttgatg aaaatgatgg gccaaagcaca  
120gtggcagatg cctggagagc cctcaagaat ccagcattg gggaaagcag cattgaaggc  
180ctgactagtg tattgagcac tagtggaagc cctacagatg gacttagtgt tatgcaaggt  
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300ctctccagtg gcaagggaaa atatagcagg ttataagttc aagccgatgt ccaaaaggaa  
360attttccccc aagacacagc cagtcttggt gcaattagtg acaacgcaag cactcgtgct  
420atggccggtt ccataatcag ttcctacaac ccacagg

457

&lt;210&gt; 2609&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctggacattc aggaggcaag ccaatctttt ttatttcctt ataaaattaa ctcttcaaaa  
60gccgttaaac agagagttat ctaattttt attgcagtag gaggaaatat atttaaaata  
120ttttagatt tatagcaaat agagactcgt tatttaaaag ttaaataaca atttgttctt  
180ttgtgtttt tgccagtta gggcagaagc tgcttttgct ataaatatct tctaccaca  
240tcaaaaatgc tgcttttaaa atttttggtt ataaattgag aaggaatttt ctctctataa  
300gattgctgca ttgaacagat caccattaaa aagaatatta gaatccagca tgaagataat  
360ggctaataaa aatgaggtac atactctata acaccattaa tcagatttga atgaggaatg  
420cttcccacc

429

&lt;210&gt; 2610&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgatcgcagg aaccaccga gcttgcctgc ttggtccttt gcccgaaagc gcctacggct  
60gcgagaagac gacagaaggg ctgtaatccc agctacttgg gaggctgagg caagagaatc  
120acttgaaccc gggaggcggg ggttgcagt agccaagaca gcaccactgc actccagctt  
180gggtaacaga gcgagactct ctcaaaaaaa gagcaacaac aacaacaaaa aaaccatag  
240ccatattggct tgagtaagga aagacagagt tgctatttgt tgagatgggg atgacagtga  
300caagagcagg cttgcggtgg tggaaagtgc aaatgtaagt gttegatttt ggatatactt  
360aatttgaaac gtcattatac aaccaagtgg agatcttgca tgtacactgg agatacatgg  
420caaaa

425

&lt;210&gt; 2611&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

caggtagggg ggccacctg agtgggtggc ccagagactg cctcagggct ccaaggtaac  
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120gctggcccaa cttacaggaa acactcacct ttgaactgcc attggcacca tctgggcagt  
180acacagcccc acccagggcc tctagttctt gttctcggct tacaatcttt gtgtttctgc  
240ctgagaagcc actgcctcct agtttgggt ctctacagat atagccaggt tggacttccg  
300gctccgctct ttgataactg cgtgctcttg ggcaaatttc ttaacttgca ggttcttggt  
360aggataacat gagttaattg agggcactta acactacctg gcacagatta agctcatctg  
420

&lt;210&gt; 2612&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa caagctgaca ttatgcaact agccagaagc ttctcagact tgcccagagt  
60tacacagcaa gtccagggtg tggctgggaa ttcaactcaa ggctgttgga ctctgaagct  
120tttgggtttt gtttttttct cttcaactaca cagtactgca tgccatgtga gcaagatccc  
180gacacagaaat gaagtaacca gtatctttta ggcaaacaag cagatcagta gaatctgatg  
240atttcagggg caaagaaaaa aataatttta atgcaatccc tcattaccac agccatggca



300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag  
360cctaaattgt aaagttactg ggcctccctg ctgggtanaa ttcttttggga atttctgag  
419

<210> 2613<211> 420<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagacta gttctctcct cataaagccc tccggcttga  
60ggagagagtg tatagtcattg ggttctgcct ctgtgccctt gctggccgct tctcctctgc  
120cttcttttctt ggaattcagg gtgtggggac tgagcctgta ggggacagca tgccgtcttg  
180ctgtggccac tcccaagtgt gccctcttcc ctctttacac atcaggtgtc tctggcacag  
240gacttggcac taagctccat gctgagacac caggctatgt gggcccccac cttgtttccc  
300agcctgcacc ttagaagccg aagggtgcttt catcagaacc ctaaaatggg cgttgaaggc  
360gcctgggccc cagcccagnc agtattggag aggcaagcag agggcagtgg gtctcccaaa  
420

<210> 2614<211> 414<212> DNA<213> Homo sapien

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120cagccttctgt tacgtggttt acctaatggg cctactcatg cttttagtgc tcttccagaa  
180tctccagatt ctacagttga ccggcagaag tcatcactgt caaataattc cctgaaaagc  
240tcaaaaaatt catctttgag aactacttca tctacagcaa cggctcaaac agtgccaatt  
300gatagctttc ataacttgtc atttacagaa caaattcagc agcattcatt gccacgcagt  
360agaagtcgac agtcaattgt ttccccatct tccacaacac agtccttagg acag  
414

<210> 2615<211> 414<212> DNA<213> Homo sapien

gacaacttga gaaacaaatg agaagcccaa ggaactgtga gcaattaaaa gcaaaccgag  
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120gcagcggcat gccattcct cgctctattc ataggacact tcaactgccat tttctattca  
180cataaaagaa aaataaatgt ggaaatttca tcttggaaa aaaaaaaaaa aaaaaaaata  
240aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa nnnnnnnnnnt tcggggggggg  
300cttttttttta aagcaccagc aggaaaaata gcttgggggg ggrgtgcccc acccccaaaa  
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414

<210> 2616<211> 402<212> DNA<213> Homo sapien

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120ttctttattaa aaagaaacat tctaagtaaa cataacgaaa tattaattct ggggtgggtg  
180aatattttgtg ttcatcttat cattcgtgct atttatttcc ttaaacttct gaaagttaaa  
240aagtcagat aggagtggag aagctgtaca tgaaacataa tggacttaca ttcctagtca  
300gatactaata ttctgtagaa gatatttcta aaatcttata tttaaaatat gaaataattt  
360ttaattgggg tggcaactta cattcaatta aaataactca tn  
402

<210> 2617<211> 409<212> DNA<213> Homo sapien

ggcacgagat tacatagtga catatattat cttttcgtcc acatttgata acattgctaa  
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120ttaattaaaa acataccttt actctgttcc ctttagcatt tcaacctgat gttaaaagat  
180gtgtatgctg gatatgtgtg ttgaaattt taactttcat cttgaagtat ttaattctct  
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300atgatacaaa ccctggaatt tcttgtctga agtggttaaca ctttatttcc aggtccta  
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409

<210> 2618<211> 406<212> DNA<213> Homo sapien

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120ttgcttttaac taatcctatc attaaaaatg aaaatgattt tgctttttta tttgcgcaag  
180tagcactaaa gatagaagct taattaatga aagctaattg caataagggg tagatagatg  
240agtatatgtg ggggtgggag ggtatgggag tntnannntnn ntntnnnact gatgttctgt  
300gttattggaa tgttgaacta aatttaatat agctacttaa tatagagcgt ttctgagaca  
360aattattacc gatgatgatg acctaggtgg aaactttcaa ttacat

406

&lt;210&gt; 2619&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgaggt ctgaaacagc actcaagcta tctttccttt tctcattctg ttttaatttaa  
60aaaggcaata gtaatagagc atttcaaate actttgttgt ggatttataa ggatgtttct  
120tcgttgggac aagtcattcc tctgtggag gaacactacc tcatttttgc attaagaaaa  
180tagtataaag tttctggtga aagattagac aattattctc attcatggat ctacaaggcc  
240atcatgtcaa aacatttatg aaaatgttcc gttcctccct tttccaaagg ccagaagttt  
300accctgtat gtggcaggag atatgagttt atccttggtt ttattatttg ataaatggat  
360ttaagttaaa atatattgca tttagcaaaa ttatagtata an

402

&lt;210&gt; 2620&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gctcctcaaa aaatgatata gttcccaaag agagggtgtca gtgtcttgaa  
60ccgtcaagtt caagaggcca tcagactcaa tatttactca ttccttcattg aaataagtac  
120ttaacaaaaa gctgctgcat gccaaagtcac tgtgctaggc attgaggatt cagctctaca  
180cagggtgtc ttggtccttg ctatctttta gctaaaatgt agacacataa ataaacaatt  
240acatatagt tgacacattc tacagtgggg gaatccaggg ttctcaggca gattgttaga  
300gagccacttc atctagatca cttattttca gtgcttcaac tgtgttttca atgaagatgt  
360cactttgaaa ataatacttc taatttatgc cccaagtga ttgcttttac tt

412

&lt;210&gt; 2621&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagat ccaattatct ctataaatcc cattgatttc agggaaactga atttgatagc  
60caggaggcat tccactggct tcttaaagga cattattgggt ttccattttg ttttggtttg  
120atttcaattg caactcaaac aatgaatctt ccaaagatgg ttaccctcac tctacaaaag  
180tgctaagtta atattcttta aaataaatatc aagcatttct tggactagat accatcaact  
240ttaattttat ttttctcaca taaatgttaa ccaaaaacta aatgataatt tcttctgtc  
300acacagcaat tccaactgtg tggaaacaaag tggtattctca agtttcacag agcaattggt  
360caatcattcc tgttggtggc tcttttccaa atcttcgaga atg

403

&lt;210&gt; 2622&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

gattccatct actttaagtt taaaggattt tcagaatcac cttaagtgtc aaatttggtta  
60gcaggattaa ttgatatgaa ttcacttatt aaacagtaaa ctcaaataac atagacatca  
120aataacagac atctgtctta gtccatgata aaatgttgat agattttatc aggtgggttag  
180tttgaaacta ataggtttac atctaaatta agggcaggag ctgtctttca gacattcaaa  
240acgcatttgt gtaaaaatgac aggtgtttgg tattaccagg aactcataat gacattttaa  
300taattattgt ctaaaatttca taatcgaagc gatttttagag tagttaactt gagatttcac  
360agccagtaaa tggctgtatt tctccagagc tctcagctcc catg

404

&lt;210&gt; 2623&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggatttgtaa ggaaaactga ctgtttttta ctgtgggtgct tttcaaaagt  
60ttaaaattgc gtctgtgtgc tttttgttgt attctagccc ttatgtgggt ttacagactg  
120agttcatgtt acctatattt tattaaaaat ttcaaaccat tgagcccagg atatcgagga  
180tacagtgagc caagattgtg ccaactgcact ccagcctgga tgacaaagca agaccctctc  
240ttgaaaaaag aaaaaaaat ttcaaggcat tgaattctgg gttagccaaga aaaatggatg  
300gatgcctaaa cccacatctc cctacataac cttccaacaa aatatagaac agcaaaatca  
360aatatatcta ctgttgactc ttgaacaatg tgggagttag ggatgctg

408

&lt;210&gt; 2624&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagag taatgctaaa aaaatgcact ttattatcct atggactttt ccaaagcca  
60tagctaccaa tagagtcatt tgcattacac atactaatag tattatttct tctgaggaga  
120tcttagtgt agctacagat atagaaaatt ctaccattga agatcttgta taaccttact  
180tcagccactg aaataattta aattataaat attacatgtg ggtttgacta tcacagaaaa  
240taaaatgatt atagatccta aaacataaaa ttctgaact ttgcaaccat taattcatag  
300gtactactaa tactcttact acagattttta taagtacttc cacttataga cagaagagca  
360ttctcagaaa attagaatta atctaaatta tgagatagtc ttaaagccn

409

&lt;210&gt; 2625&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgagtgcaca cagtagttgg aaatggcagc ttgcttggtt ggaaagttgc ttaaaagtgg  
60atgggtggaa tgttccagtc actccaggtg gttcagaagt taaatccatg gcagcatggc  
120gcttgtgtcc tcttgactt gaattaagta gaaagttact acaactcagc aacaaaaaga  
180ctacacagac tgggaaccgt ggctcccgcc tgtaatccca gcaactctggg aggccgaggt  
240gggtggatca cctgaggtca ggagtttgag accagcctgg ccaacatggt gaaaccctgt  
300ctctactaaa aaaacaaaaa ttatccgggt gtggtggcag gtgcctgtaa tcccagctat  
360tcaggaggct gaggcaggaa aattgcttga accccaggag gcagaggttg cagggg  
416

<210> 2626<211> 414<212> DNA<213> Homo sapien

ggcacgagaa caagctgaca ttatgcactg agccagaagc ttctcagact tgcccagagt  
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120tttgggtttt gtttttttct ctccactaca cagtactgca tgccatgtga gcaagatccc  
180gacacagaat gaagtaacca gtatctttaa ggcaaacaag cagatcagta gaatctgatg  
240atttcagggt caaagaaaag aataatttta atgcaatccc tcattaccac agccatggca  
300ctggcctcat atgggtaagg agatttgggc aaccttttgc aggctgatga aattttggag  
360cctaaattgt aaagttactg ggctccctg ctgggtaaat tcttttggat ttct  
414

<210> 2627<211> 418<212> DNA<213> Homo sapien

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120aatccagaat tgtttaaaac attgtgctgg ccaaaacaaa aaacatgttt gccagccagt  
180agttttttagc ctctgcttcc agagtgttaa ggacaggcct aaacatcctg gccaaagcttt  
240aatggatttg catttttcta ctctggatgt aagttttatt ctgcctctcc tctaagacta  
300cttttagatg tatcttctc ctcattccta aataatcctc agggattact tttcctract  
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418

<210> 2628<211> 407<212> DNA<213> Homo sapien

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60cgggtgyatga atgtgtcatt tacaagaagc tctgaaatgg gaagctgagt ttgaacaggc  
120ttagccatta ttcacctcaa attggacctt attatgactc aaattgaaat actaaaaggt  
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240gagagaactc tggctgaatg tcaggtagtg tgtttttgtt tctacaccaa caaaactgtg  
300actaacccaa ttaaagcaac agccatgaat aatattggcc ctgaccttgc tgaattcaaa  
360aacaagggtta attgatcct accataaatt ctacctgagg gttttta  
407

<210> 2629<211> 405<212> DNA<213> Homo sapien

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120ttgggtttac tttcttgttt ttattatatg ctgatctgtc tcccctgtta ggctgtaac  
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240agctcctggc accattctct ttgtgattaa catccagtaa acatttgta aatatgtctc  
300ttaaaatatg tatcttttta actatttata cacctccaag tggatgacat gccacatttt  
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405

<210> 2630<211> 403<212> DNA<213> Homo sapien

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120atcaaagcct ttttcccag ctatatataa ggaatttgaa gagttgcata aaatgggtta  
180gaaaatgtgc caagattacc tcagtagttc tggctctgtt tcccaggaga ccctggaaat  
240aaacaatgat aagggtgtct agtcattagg aatcacagaa ttcctacgga agaaagaaat  
300acaccagac aaccttgac ccaagcacct cagccagagc atggatgggg agcagctaga  
360gggagctagc agcagaaga gggaaactga ggctgcggag gat  
403

<210> 2631<211> 411<212> DNA<213> Homo sapien

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60attaaattgg agtctagcac aaattaagtt aatctactct gtattaatca ttgggaaaaa

120gaaaagcttc atttgaaaac agtcttttttc cttcaccac actaatagaa aaaggagagt  
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240ccggtgtgat ccgtgtgttg gtgcctgagc tggaggaagg agcttcttgc agggaaacag  
300ccactggggc cacattgagg gccagttggg accttccttt ccagtcacac tctgtgtcct  
360cacgggcccc ttcacagtct agataaggag cctagtttca ttctcanaga a

411

&lt;210&gt; 2632&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct gccctcggtc cgcgccattc aggacgactg ccaggtcac acggccccgc  
60tggcccagca gctgcggcag cgctttatgg agggcggctc aggcgccccg gagcaggcag  
120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtcc  
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240ggccaatgtg gccagctcca tcttgagcca cattaaggcc tctctggcag cagtgcacct  
300tttcaccgcc aaagaggtgt ccttctccaa caagccctac ttccggggtg agttctgcag  
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413

&lt;210&gt; 2633&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gcattccacg ggttttctgt gcagtattgg gagcatgaca ggggaggctc  
60caaaatggag gttgagctgg gtcttataga ataaataagt ttgctgggac cagagacatg  
120ggtgtgcaca gactcagagg caagaaagt gtatgatgag ggtggggggg tgtgcggata  
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240gaggcaaaag atgcccagcc agatggaatt ggtggtgtga attgccagga ctggaaaag  
300cccaaattgg ggctgcagca tgggccttgg ttgaagcctc taatcctgta agggctgctt  
360tggcccaaga ggccttagaa acccggtgta agccttaatc gg

402

&lt;210&gt; 2634&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tggaaagaag aaaagaatta tagaaaatac gagtaaaata tggtttacag  
60aatacagaat acgaagatga aaagacattg aagaatccaa aatataaaga tagagctgga  
120aaacgtaggg agcagggttg aagtgaagga actttccaaa gagatgatgc tcttgcattc  
180gttcattctg aaattactga tagcaacaaa ggtcggaaga tgttgagaa gatgggttg  
240aagaaaggag agggcctggg gaaggatggt ggaggaatga aaacgccgat ccagcttcag  
300cttcggcgaa cacatgcagg cttggggaca ggcaaaccat cctcatttga agatgttcac  
360cttctccaaa acaagaacaa aaaaaactgg gacaaagcac gagagcggtt tactgaaa

418

&lt;210&gt; 2635&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggacgagaca gcgagaggaa cagcgtccgg ggcgaccccc agtccaccgc  
60gggggcctgg cgcgcttggg gcaaaggccc taggagaccc cttctggcca caaaatcgag  
120tatgacagaa aagggccagc gggggcgctt tcttccagg gccacttgcc ggaatgtaag  
180agggacggag agacgtccgg aaaaggctgc cagcgtcgga gcgctgcgcc aggccaggca  
240cctaggccag gggagcggag acctcgtggg agcgggcagg gggaccttc cctctccc  
300ggcttccacc caggcgctc cccgctgtga acgcccgc ccagggtgaag gggaaaccg  
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409

&lt;210&gt; 2636&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcaatctc catggctttt tggctgagg tggagccaag gacatccgag  
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120gggcagccct gctgtgggcc ctggcgctg cactggagcg ccggaagtct acctggcct  
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240caagacgact tcgggcgtgg ggggcccggg tgcaggccca aggccacacc ctgcaggtag  
300ccgggctgag aggcctgtg ctgcgcctgc gggagccgct ggggtgtgctg gctgtggtg  
360gtccggacga gtggcccctg cttgccttcg tgcctctgct ggc

403

&lt;210&gt; 2637&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggaagactag catcctttt gctccctggt tggntgtgaa atacacacac  
60gcacacacac acacacacac acgctcgac tctctgaga ctccgaacag agaaaaaaat  
120tattggcaaa tcaacacatt tttctttc gtcttgagaa aatgtcttga ggtccctgaa  
180gggccaatc catcgtggac taactctgtg ggtagagctc agatgacct a gggagaatta

240aaccacttaa tcttggagtg ggaggagagg ggggtggggtg ggagagaata taagatgtat  
300cttangctaa gtggaatcta ttataaaagc gagagactct catctatctt tatgagagga  
360gagggttttt aatctagggg aggcagccg  
389

<210> 2638<211> 396<212> DNA<213> Homo sapien  
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60tggaacacct gaggtccgga gttcaagacc aacctggcca acattgctaa accctatctc  
120taccacaaaaa tacaaaaatt acccaggtgt cgggtggtgtg tgcctgtaac ccagctagc  
180tacctcggga ggctgaggca caagaatcac ttgaacccgg gaggcggagg ttgcagttag  
240ccaagatcat actgctgcac tccagtctgg tgacagagaa cgattttctt tggaaatata  
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396

<210> 2639<211> 393<212> DNA<213> Homo sapien  
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120cagtagggcca gttacacca ttataataa ttaataaaat cactatgttt gacttcaagc  
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240tctatttttg ttttaatggg tactttgatg taatactttt tttttctgct cttgagcatt  
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360ttccatcata taacttgaaa gattatcctt ttt  
393

<210> 2640<211> 393<212> DNA<213> Homo sapien  
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60agattgtagg agaatggggg aggtgtggga gatttttatg tggaaatgaca tctgtcagga  
120aaagagaata aaaatttctt aaaagactgt catattaagc cctttacct tttccttgtg  
180ccacctcatt acatagatag atcatcattg tatcagaaaa atgttaattt atattattaa  
240tgatcacttt gtaagtatgt ttttcaacc atcctaaaca cattttcaga aatgtttttc  
300tttaaagggt gataagtttt aaaaattttt ttataaagag ttaggcttgt gttattactt  
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393

<210> 2641<211> 384<212> DNA<213> Homo sapien  
ggcacgagga gagttatagc cttatttttt ttacattctt aggaatttat gaaaatgtat  
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120atatttttgt cttttgaatt cattaaacct taaaattatt ggagttctga tttagtctt  
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240cttttagcct ttaagggata ttttgtctgt gaagattttc tttctttttt ttttttttt  
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384

<210> 2642<211> 392<212> DNA<213> Homo sapien  
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120attcttagag aagaaactta catcagttta atgaatacac agcctgtcta taccaatttc  
180ctcttctaga gtcactacat tcaaagcttg gtgggtctca atagggattt actgctgact  
240gggtaactct ggttctctgt tgcagtgaca tcaagcaaga gatttaccac gagaagtggg  
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392

<210> 2643<211> 391<212> DNA<213> Homo sapien  
ggcacgagtg ataatatagt aagccaaaat tggctagtg aggataagca agatggaata  
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120aaatttttaa atacggtaaa atagtacata aaattacaaa gataaccacc aaaagatcct  
180agaatagact ataaaccttt ggaactatca gaataaaaac acacaataaa gaaaacaaat  
240accataggg aaaataattg tgtgtatttg tgtctttaa ttgtttgtga gtgtctttaa  
300tttatgtgtg tataacatta taaaggaaaa atataactaa acataatccg tatgattaaa

360tattttctcct atatccagaa atgtaaattt a  
391

<210> 2644<211> 389<212> DNA<213> Homo sapien

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60gagagtatgt aattagtaat gctaaaaaaaa tgcactttat taccctatgg acttttccaa  
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180aggagatcct agctgtagct acagatatag aaaattctac cattgaagat cttgtataac  
240cttacttcag cactgaaat aatttaaatt ataaatatta catgtgggtt tgactatcac  
300agaaaaataa atgattatag atcctaaaaa cataaattcc tgaactttgc aaccattaat  
360tcataggtac tactaatact cttactacn  
389

<210> 2645<211> 387<212> DNA<213> Homo sapien

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60aatcccagtt acgcgaggagg ctgaggcagg aaaatcgttt gaaccaggga ggcggagggt  
120gcagtgcagc gagatcgcca tatatatata ttcatatata tgtatatata cacacatata  
180tattcatata tgtatatata cacacatata ttcatatata tttatatata ccttatattca  
240tatgttttca taatatacga atatacctat atgttcatat atgtatatat aatattcata  
300tatgcatata tgtatatata atattcatat atgcatatat gcatatatac ctatatatgc  
360gcacatacat attcctatat gcatatg  
387

<210> 2646<211> 386<212> DNA<213> Homo sapien

cggttgctgtc ggtgaactgt gatcatccag attttggcag cttatagggt cttagttgat  
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120agaacttagg gttcttctaa gtagggtcag agccaagatg agctagcaaa aaaccttggt  
180actttttttt ttttgaaagg gagtttggtt tggccaccca agctggaggg caggggaggg  
240atttcgggta attgaaacct ccacctctgg ggttaaagca attttggggc ctaacctcc  
300caggaagctg gaataacggg ggcagccac caccctgggt taattttggt ttttttagca  
360aagacgggat ttcacatgt gggcca  
386

<210> 2647<211> 396<212> DNA<213> Homo sapien

ggcacgagaa aatatataac aaccaaagtg ttgtattaag ataacttta acctctgtta  
60gtagtaacat gtttcattac agtatcaa atataggtaa aatttggtga catgaaaaa  
120cttggtggtc gtatgtctat caaacattca tgaaaaattt gaagactatc aatttggtac  
180ctacaaaaga tgatgcggta gccatggaaa tgcacaccc agatctctc ctgtgagaag  
240cagagttgac agaaccctag ctgtacccc atgggatcta cactgtatt cctgctgttc  
300ccagccaatg agtgagaatg gcaggactat taacactgac ccagtccct gatgggcaac  
360attggctcaa ggatttccca itagattgcc cagaat  
396

<210> 2648<211> 387<212> DNA<213> Homo sapien

gacttgctgt tcttaaccta ccaaagcagg catgtagacg cacatgtgtt ttacacacgt  
60cattggagga aggttgga taccagcttg gttgcaagga aagaggcaat tgagaggact  
120ccttctcaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcacaaag  
180tctgtttcct caaccccaaa atgaaggat tggaccagat gccctcaagg ttcctcaagg  
240gtcagctgtc acagttctcc aaagtgagtt ttcaggcaca catagagtta gccagtgtcg  
300cctcaccagg acattctgtt ttctgaacat tgggcctctg tggttgtca catacaccca  
360cgggactggg ctcataacta cctgaag  
387

<210> 2649<211> 398<212> DNA<213> Homo sapien

cctcacccca gctgcctgt gcttctgacg gatcttggtg ctcaggctgc ctggctctcc  
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120cccagggttc ttccctggt gattctcgcc tgctttctca tctcagggga ggcagtgga  
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240ctgccccac ctgaaaccc acagtccca gtggaggggc actactcatc cccattggtt  
300tcccagggga ggggtgtgt ctggaagggc aggttcagat gcagccttcc agatttagag  
360gcactgggag gacagtggct gagtggaggc gccacac  
398

<210> 2650<211> 387<212> DNA<213> Homo sapien

cggttgctgtc gggttgatga tggatgatgat gatgatggca gtcatgaact gaggagttag  
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120gaatagggag gagggggaag gtgagaacgt aggtagaaag agctgttggg caactgtagc  
180aataaaaacag aaaagagatg aatgtttgca cataggcagg ggcagcagga atgcagaagg  
240gcaggtgtca gagagcgtcc acgtggtagg acccacagga ccaggtggct gaatgcagag  
300gctgaggctg agcagggcgg ccagtatggc tctgtgttc tgatggcgtg tagtggcgtg  
360accagccagg gtctggaaga aagagga  
387

<210> 2651<211> 400<212> DNA<213> Homo sapien

ggcacgagca tacttttact taaataatta ttataaagac ctcaaaggaa atgtatcagg  
60tgctgtaaga taatttaaca ggtggttttg cttagtttga ggggaaaaac tttaggggca  
120tgaggaatta gaaagagcta gtgaaaagaa agtgtagcag ccaaagagtt aggtgaagaa  
180acaaatctgt ggtacattaa gaaaccaaga aggaggaatt tccagagcat atttgtggtc  
240atgaaagtca aatgctgccca agatggaaag gaagatggga gttgagactg gtttgctaca  
300tatggtgatg aaaactgttc tagaaaagtt tcaagttaat aggaccaaac acagcttaca  
360ggtgattaaa aaatgagaag gtggtgaaat cctaagtact  
400

<210> 2652<211> 389<212> DNA<213> Homo sapien

ggcacgaggc ccctcactgc cctgctcaac caaagccgcg gagagcgcg agggccccc  
60agtacggcc acgaggcact ggagaaggag gttcaggctc ttcggggcca gctggaggcg  
120tggcgtctcc aaggggaggc tctcagagt gcactgagat cccaggagga tggccacatc  
180ccccgggct acatctcaca gctggtgggc gtgatcactg tgcccgtttt acagacaagg  
240ccactgagct ctgagagggt atgtgacttg cccaaggtca cccgcctgc aggtctcaaa  
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389

<210> 2653<211> 397<212> DNA<213> Homo sapien

ggcacgagcg gcctccatgc tctggcgtg gaggataccg gagggccctc tgcctcggcc  
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120ggcgaggagg cgcagggaga agtccccagc gctgggggag aagagcctgc cgaggaggac  
180tccgaggact ggtgcgtgcc ctgcagcagc gaggaggtgg agctgcctgc ggtgggcag  
240ccctggatgc ccccgccctc cgaaatccag cggctctatg aactgctggc tgcccacggt  
300actctggagc tgcaagccga gatcctgcc cgctggccctc ccacgccgga ggcccagagc  
360gaagaggaga gatccgatga ggagccggag gccaaaag  
397

<210> 2654<211> 398<212> DNA<213> Homo sapien

ggcacgagaa acatccttgc tgtggctttc tggcctcaga gcaggtttta gaggaagggg  
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120accccgtagc tcccatctgg ctgcacagct ccaccccttag ccacgcaagg ggagaacatg  
180ggcagagtct ccacccagca gctgggggtt ctggtggcac tccctgtgcc cctgtgctg  
240ctgggctgtg ggtctgccct gcaccagga gccccacggt ccaccccca caccatgccc  
300agcaccaggg aggttgggca gacaagacct gggccatgcc agccctctgt gcctcggttt  
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398

<210> 2655<211> 386<212> DNA<213> Homo sapien

cggttgctgtc gctccctccc aggtctgggc tgcgcagtae ctccccctgc cttagagcac  
60cccactatct ctgtaaaggc tctctctctc tttttttttt ttactaaccg gagctaaaac  
120caattcctgt tgataacaac taaacaacct cattaccgga gaggactttc gtttactttt  
180tgcccttttag gttccacttt ttttttggga aaggggattt aatttgttcc ccagccccga  
240catcgactgg tataattttg tttaagagca cccttgagcc tcttagggaa acaacattcc  
300ccggctgcac cctccaaaga tttggggata acgggatacc ccccccccc cccacctatt  
360tttgtgtttt tatgaaaaaa gggcgc  
386

<210> 2656<211> 399<212> DNA<213> Homo sapien

ggcacgagcc cggacctgcc cctgcctccg accggccctg aactttgtgg ggactgagct

60tgggatctcc cccgtggccc gccccacac cgggcttctg ggaggtgggc tccagggctg  
120tggagagaag ttgggtgggt ggtgcaggca gcttctgggc ttgagtccgg cccctgcac  
180ctccagtgca cactccccag gagctcacct gctcccaggt cgaactccat ggcggtaaga  
240gaagttgggt cctaaggcca agggcgctg ggcctgcag aggagcggag cagggggagg  
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399

<210> 2657<211> 395<212> DNA<213> Homo sapien

ggcacgagga aaaaagagct gttgaatgtt agatcatgaa catcagtatt tatctgagga  
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120tagtttctctg atcgatagac caacaactga aattaaatgc ttttagtctc aagtgcccat  
180ttttattaaa atgtaattat catgaacaga aaaagcaata caaggcgtgt gttcttaata  
240attctgccat tctctttttg acatttaaag gaagagccta ggctggatgt cttgatcaat  
300aacgcaggga tcttccagt cccttacatg aagactgaag atgggtttga gatgcagttc  
360ggagtgaacc atctggggca ctttctactc accaa  
395

<210> 2658<211> 388<212> DNA<213> Homo sapien

cgttgctgtc gatcgggcaa cccaaggact tctcactgg catgtgcctc ttcctgcaga  
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120tggcggaccc atttgccgc atcgggccat aactgcatca ttggtccaa tgggagcctg  
180ggacctgtcg tgctggctga agatgggtgtg tgtatccggc ggtgcacgat gctgcgggat  
240gcccagatg cgctcccatt actggcttga gtctgcatt gtgggctggc gctgccgcgt  
300gagtcaaaga gtactcatgg agaacgtgac agagctgagt gaggacgtca taattaatga  
360ggagctctac ctcaacggag acagcgtg  
388

<210> 2659<211> 378<212> DNA<213> Homo sapien

ggcaccagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttttt  
60tttttttttt ttttttttgg ggggccccca aaaatttttt tttaaaaaaa aaattggggg  
120ggggcccccc ctttttttaa aaaagggggg ttttaagggg ggattttttt cccaaaaaaa  
180aggtgggttt ttttttccc ggggggggtg gggccccccc ccaaaaaaaa aaatccccgg  
240gggaaacccc ccccccccc cccggggggg gggccccccc tttttttggg aaaaaacacc  
300cccccccccc cctttttcct gggggggggg ggaatcctcc tcggagaggg gggggggggg  
360ggcaacaaaa aaacaaaa  
378

<210> 2660<211> 382<212> DNA<213> Homo sapien

cgttgctgtc gattttccag ttgttttgc atattctgca aataaaaaacc gtgtttcctt  
60ttttcactta aactttggtg ggaaacaaac taaagcagac aaacatttct tggtatgttt  
120gttgctttct ttaatccaat ggataaaaaa agtaaaaccc tgtaaacatt attttatatt  
180tttatgcaat accatgctgt aaatatgggt catcaaataa ggatgtacct atgattgaat  
240ctttaattct gcacagttag agtttatata taaacgtgtc ttgacaatca aggactttta  
300tgtgagtctt cttttatgat gtttattaat gttatgcatt ccatttgttt tgaagtgagt  
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382

<210> 2661<211> 373<212> DNA<213> Homo sapien

cgttgctgtc gggaacttta aaaattatgt ctgtagttaa ataactaaat gtaagaaagc  
60ctttaatata ggtagagtt attaaatagc acaattaaaa aaattttaga acttacaat  
120acaaaggatt attattttct caaaattatt atctttattg ctataatatt tatttaattg  
180agcttttttg ttcaatgcac ttttgggaatt tttctttgga aattactaca tgatgctttg  
240gacagctttt aaatattttg tatatattca gtcccttaga ttttaaatat ttctgtttct  
300tcactttttc ctctgttaca tgggtttcca tgtaacctct tcatcatctt ggttgtcttt  
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373

<210> 2662<211> 373<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaaggcct tattttgaaa tcagaataat ggaaattatt  
60acaattaaaa agtcactaga aaaacagacc tattgtacaa agattccagt cttacctttc  
120tcaagtctgc ttactgattt ttctcttatg tctctattct tccccctcc ctttgccctt



180ccttttctccc ttctgctctt tgaccccaaa ctcatctttt cttcttagtt tattaataaa  
240aaaccaaact atattactat caatatattt ttactatatg cagttcatat agtctcgtga  
300ttggccaaag tctaattggtt cccaatagggt cctcaatctt taaggcccag tccaaacctt  
360ccacaatgaa ggg

373

&lt;210&gt; 2663&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa cctcgtctct actaaaaata caaaaaaact  
60agctgggctgt ggtggcatgt gcctgtaatc ccagctatctt gggaggctga ggcagagaat  
120ttcttaaaacc tgggaggcgg aggtttcagt gagccaagat tgtgccactg cactccatcc  
180tgggggacag agcaagactc catctcaaaa caaaacaaaa caaaagatgg catagaatcc  
240ttcttggaac cttgtgcaga gggaaagata aaaagacctc cacacggccc actctgtcca  
300ccatctttgc tccaaaagtc cctaccctgg aagtaccggc accagaagcc gtatcctcag  
360ggcactcaac gctgcctn

378

&lt;210&gt; 2664&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattcagggg tcaactttgga acttgctgga ttatggtgat ggtttttgga  
60tagtatgtgc ttcattattt tatttgggggt agttacagt ttagtattt ttgttaacag  
120ctacactttt ggtactattt tccttttaaa tttttggtgt ctaagattta ccactaatta  
180ctaataatag cctttccaat tcaactiaaaa ccttaataag tgaaatgttc aggtattgct  
240agggtaaatg tgtcttttcc tactattgag attttaaaag gctgtgatta agagagactt  
300tattaatttg atctgaaaga agtagaaacc tctatgaaac aatttttatt ttcctttgca  
360taatacctta gaaatgtg

378

&lt;210&gt; 2665&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaatacgac agaagggatg agagtggga tgacatgtga tcccatgcct  
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120acgatatgta tgagagttat gatgactctg attagacccc agataaattg ttgctgtctt  
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240tcttactgggt aggatccttt tttgcccctc tttttttttt tttttttttt tttaaaagag  
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360ctttcccccag gta

373

&lt;210&gt; 2666&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ctggtttgtc tggggagaca gacaggatgt tgtggagctg ggggtggaacc  
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120ggcaggctgg ctggccttgc tcccctcctt agaactgctg cctctccctg gatattccag  
180ctcaattagt gccacatatg ggggaaacga cacatcccag tgggatttcc aacatcccc  
240ctccccatgc aacaaagcaa cttacttctg gatttctctc ccaaggagag gacacagaca  
300cagttgtttg ctgtgttata tgttagctcc gaacaatggg tctcaattgg cttagcatca  
360aaacacctaa ggagtg

376

&lt;210&gt; 2667&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcagctca ggggaaggta ggagatgggg tgttcccagt catgcccag  
60gcatctctgc ctccctcgggc cccacctgcc tcgccctgtg gcctgagctc cttcagctgt  
120gtgggcctcc ctgagtgcc tgagtgaagt ggcataaggg gtgagaggcc atggtgtctt  
180tggggctggt ggtccgggtc tggccatctg tcacctctca ggcgtgcagg cactaatccc  
240tccaagcctc agttggccac agtgagaagg ggcctggtaa cactgtcctg gatgccaggt  
300tgttgtgaag gtcccggctt agcctctggc aggaaggagg tgctcaggag gtgggcacag  
360gcagagggct ggctgtgggg gg

382

&lt;210&gt; 2668&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcgaattccg ttgctgtcgc atttcacggg ttttctgtgc agttatggga gcatgacagg  
60ggaggctcca aaatggaggt tgagctgggt cttatagaat aaataagttt gctgggacca  
120gagacatggg tgtgcacaga ctcagaggca agaaagttgt atgatgaggg tgggggggtg  
180tgcgataga ggttgaagcc caaaagccct gaaagttcag tgttgaggct caggggtggg  
240accctagaga ggcaaaagat gccagccag atggaattgg tgggtgtaat tggcaggact

300ggaaagagcc cagatggggg ctgcagcatg ggccttggtt gaagcctcta atcctgtaag  
360ggctgctttg n

371

<210> 2669<211> 378<212> DNA<213> Homo sapien

ggcacgaggc ggtacagga gattcagaag cgcttcagag aacaggagcg cagccgggag  
60cagggccagc ccaggcccct gaaagctctg tggcgctcac ccaagtacga caaggtggag  
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgccac  
180ttcctgcggg cgactcccg ctgcggccct ggccctccac caccatgt atctagtcct  
240cagccaacc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt  
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgtcact gcaggtcctg  
360gcacaagtgc tagagcag

378

<210> 2670<211> 373<212> DNA<213> Homo sapien

ggcacgaggc ggtacagga gattcagaag cgcttcagag aacaggagcg cagccgggag  
60cagggccagc ccaggcccct gaaagctctg tggcgctcac ccaagtacga caaggtggag  
120tcccgggtca aggccagct ccaggagcct ggccctgcct ctgggacaga gtctgccac  
180ttcctgcggg cgactcccg ctgcggccct ggccctccac caccatgt atctagtcct  
240cagccaacc caccaggtcc cgaagctaag gagccaggcc tgggggtgga cttcattcgt  
300cacaatgcac gagctgcca gagagcccc cggaggcatt cctgtcact gcaggtcctg  
360gcacaagtgc tan

373

<210> 2671<211> 376<212> DNA<213> Homo sapien

ttcgaattcc gttgctgtcg ggcttatctg atgtatctcc ggggtgcanga agcgggtggag  
60tccatggtga agagtgtgga aagagagaac atccggaaga tgcaggtct catgttccgg  
120tgcagcgcca gctgttgtga ggacagccag gcctccatga agcaggtgca ccagtgcac  
180gagcgctgcc atgtgctct ggctcaagcc caggctttgg tcaccagtga gctggagaag  
240ttccaggacc gcctggccc gtgcaccatg cattgcaacg acaaagccaa agattcaata  
300gatgctgga gtaaggagct tcaggtgaag cagcagctgg acagtgtgt gaccaagtgt  
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376

<210> 2672<211> 370<212> DNA<213> Homo sapien

tacggctgcg agaagaccac agaagggggg gcacagccct gatgatggag gggctgctca  
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120acatgatcgc cggactctgc atgctgaagc tctaccagaa gggcaccgc gacatcaacg  
180ccagcgcccta cagtgcctac gcctgcctgg ccattgtcat cttcttctct gtgctggcg  
240tggtctttgg caaaggggaa acggcgctt ggatcgtctt ctccatcatt cacatcatcg  
300ccaccctgct cctcagcacg cagctctatt acatggggccg gtggaaactg gactcgggga  
360cttccgcg

370

<210> 2673<211> 355<212> DNA<213> Homo sapien

tacggctgcg agaagacaac agaaggggtt ggatcatatt tttctgaaag tgggcaatta  
60tttcaaaaaca aaatggtttc aatagagcgc catgatattt ttctgacatt ttctttgaaa  
120tagttgatac tccttctgca aattttgttg acagtgttc taggttccaa aaagaagggt  
180aacgccacta cagcaccttt gccatctgac cagcagcaat tctaagatgt cattgattct  
240aagatgcac tcaattccca agatgttaaa atgaacaaaa tacatcactt aggatcataa  
300acacatttta gttggaatag acacatttga agaccagatt tgaacaatga tcctg

355

<210> 2674<211> 361<212> DNA<213> Homo sapien

gcctacggct gctagaagac gacagaaggg atttaaaaga aaagcatata acataaaata  
60aaaaagaaga ttcaatacgt aaccatagga gatacaaaac ttcaaagagc aggttaagga  
120aagaagcctg agaaggaccg ttcagagaga cagcataaaa gaaaaccag aagagaagtg  
180taaatctgac gtcacaagag gaatgcactt tagaaaatag gagggctcaa tattaccta  
240cagagagacc aaataagact aaattgcaca agtttcttga ggaagtgaag actcagatta  
300tagactatat ttttgagaat attgggtatg aaaaagggtg acttgcgcac tcaccagttt  
360t

361

<210> 2675<211> 356<212> DNA<213> Homo sapien  
tatccgctgc gagaagacga cagaagggtg cagtttacac ttttttctta aaatcatgaa  
60agcgggtttc tatcttaagc atatattgtg actactatta acagactgat ttgtgtagat  
120attaaatgct ttaagctatt ttaccttttc aagaagtgtg gttttttttt ctccaagtca  
180taaccaattc ctgcaaagag gcttcccatg acttgtgatt ataaagtaga caaccagggg  
240attgcgcgag acacattttt atttaattct tttttttacg gaatgccct gagccggaat  
300agattaaaag cggttccttt cctttttcac atttaaaaca ggatgggttc tgggtt  
356  
<210> 2676<211> 366<212> DNA<213> Homo sapien  
cggtgctgct gaaataatag agctaaataa tgtcctgtca cttccattat aagaaatctg  
60gattcatatc taagtgtata tgtataatac tgtacagtta agagttcaga acaagtggga  
120atgtttttct ttaatttaac tcattttgtg cttcttttac tcattcaaac acacatacat  
180tttacatata gtttatttct ttatgaaatg ctaatcttca gcccgtagca aaaagtagag  
240tggagcctct ttgactact actatcaata aattttaaat cagttggatt tttaagcatt  
300ttttaaaagc tgacattaaa gtaaatctaa aaaaagtta acaaactggc caagacacta  
360attttt  
366  
<210> 2677<211> 367<212> DNA<213> Homo sapien  
ggcacgagcc ccagtcctat cccaggacgc cctgagggat ggacgcagcc atgcaccccc  
60catctggggc ctctccctgc tccctctccc acctggcagc tgggagttct ggcttctagg  
120cctgccctgt caccaggcct ctgagtggcc aggcccttcc acctcccat ctgtaaaacg  
180aggcagctgc ccggacagcc ttggggctct tagtggcct gcaggtcctc tggcagctct  
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367  
<210> 2678<211> 349<212> DNA<213> Homo sapien  
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240ccacccatt cactctccca ctcccaaccc tacacatgca caccctctc acattcaatt  
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349  
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120cccatcccc catccctcc tcatcaaaaa cttgaaaata atgcataaaa taaacaatcc  
180atcaatcatg gggaaatttg aatcacatgt agcataatgc agggcatatc tgtaaaagta  
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337  
<210> 2680<211> 470<212> DNA<213> Homo sapien  
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120cagaactacc tggcatcttc ctgaacaaga ctttcaatag gggccagtat gttcgcctc  
180atccagaagt tttctcaagc atcttcaaag atactgaagt actctttccc agtgggacta  
240agaaccagca gaacagatat actttctctc aagatgtctc tccagcaaaa cttttcccca  
300tgtccaaggc cttggctttc ctcatcattt ccagcgata tgagcaagac acagtgtat  
360catatctcc cctgcagctt taaaaagcag cagaagcaag cactctagc cagaccctca  
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470  
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60acaaaaatac tcatgaaaat gttcggaaac tgaaatttaa acaactgtaa tattaaggaa  
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300cctctaaacc caaatgttta tagataccct cttatccata aacaaaaccc tgctaagcca  
360tggctctatt ttttttttgg cttatagagg ccggtaacag tttttttgca ccaatatatg  
420

<210> 2682<211> 440<212> DNA<213> Homo sapien

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120ctccacatca ctctctgcta cgatccctcca gcctctccca tgatggcttt ttttctgtcg  
180ctcagctccc agttctctgc tcttcacact aatcataaca tatcatttct acctccatgc  
240ctctgtgtga tctcttcccc aagtctagat tgctcatacc ectgggtccac acacagctct  
300ctctgacact cagatcctca acagtgactt tcttgaccac ccaaactaat aaagatacta  
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440

<210> 2683<211> 427<212> DNA<213> Homo sapien

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120ccgtagccac cagagaagtc ggcacagttc tagagatagg agcagagaac gatccaagag  
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300gtgctatgtt cacatttatg tgcgggtgca caacattttt ctgtgattat atgggtaact  
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420tgctttt  
427

<210> 2684<211> 468<212> DNA<213> Homo sapien

gcaacagaga tgtaccngnt tnnncgaaga tcccagcgat tcgttatttc gttgctgtcg  
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120gtaaaaggaa ttttggaacg ctttaacgan gacttcattg agacacgcag gaaggcttta  
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240attttttctca ctgcacaagc ttgggaactc tcttctcaca agaagcaagg tcttggttg  
300ctaagcagga tggggcaaac cgtcagagct gttgcgtcct caatgagagg agttaaaaac  
360cgcccagagg agttcatgga aatgaataac tttattgaac tatttagcca gaaaataaat  
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468

<210> 2685<211> 419<212> DNA<213> Homo sapien

ccttgaggtt attttccacc aaatgtgaca aaattcaatt catttgcaat tcatggatca  
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120caaaaacctg atttccattg cctagaatac ttcaagtctt tcaattttta cacactgctt  
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240gagtaataga taaccatacc gatcattttt tctctatac cttttaagat aaacaaaaaa  
300taaatatcaa ttttttaaga tgcatgcat acatttcaac aacaaatatc ttcatagaag  
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419

<210> 2686<211> 428<212> DNA<213> Homo sapien

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120gcgcgcttt ttggacaaca aggtgctgct gtcctttggc aaggccttcg agtgtaaaga  
180gcctggttg tttcgctttg tcttctcaga ccaagtcac cggttttgcc tggggatgca  
240gaggggtccag caggtgcttg caggcaaatc ccaagtggca gaagacccc gtcctctca  
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428

<210> 2687<211> 426<212> DNA<213> Homo sapien

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180gcccagtagc tttgccctca ggcgaggaag ggggaatatgt cctggcactg aagcaagagc  
240tacgaggagc catgaggcag ctccccctact tcatccggcc agctgtcccc aagagagatg  
300tgagagcgtta ttcagacaaa tatcagatgt caggtccgat tgacaatgcc atcgaattgga  
360accctgattg gcggcgtcta ccccgaggagc taaagatccg agtgcggaag ctacagaagg  
420aacgga

426

&lt;210&gt; 2688&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtctaaccc attttggttt acacagtctg accactagca caatgcctgg  
60cacatagttt acaaatcatt taaggcaagc ttaccatctt aagacaattt aatacataga  
120agtgtccctc ctaaaaatct gagtttgatt tagaaatcca gttatacctg caggtactga  
180tgactaattc cttctttgaa gacaaaataa gcagctgtgt agcttcagtg gctctcaaat  
240ggataataga ttcagtgtat actcgctttg aactttcctg ttttttgatc agctagataa  
300atgacttttag tgggtaaatg tctgcctcca aaaccaaatt ctgaccctga tctaagtatt  
360ctaactgcacc gctgtcactg gaatatcaaa gttggcg

397

&lt;210&gt; 2689&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtttaaaact ttgacaagt ggtagtccta ctgtttacac tcacagttaa tgttcatacc  
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120acaggtgtgt caaaagggtat cttgggtcatt aagtattgtg cagtgcatta tttattatcc  
180ctaggagaga tgaaatttga gaggtgatca tgtcttttta aggaaactta cataatgctc  
240tgcttttttt tttcttttgg acccatgggt attataataa aaagcatttt gtacctgagg  
300ggccctaatt gaaaaaagtg ctgctcaaag gaagtatgaa gttatatatt aaatttttta  
360attttaattt ttaatttttt tgctgtgaag g

391

&lt;210&gt; 2690&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccaggt gtgtgtgtgt gtgtgtgtgt gtgtataaaa ccaaaatgtg tgacacaata  
60aatgctggca cagctctgat ttcttttaaa aagaaaatta aaataggagt tctggtctta  
120attattagct attagctact tctgaaattc agaaagtacc ataattaggc taaagggta  
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240ttagtgtgt tacattagta accaggccat gccaacacaa gtattccagt ccatgtgatg  
300atattttctca atgtaaaatta ataaactgaa attctaattg taaacatttt ttcataaatt  
360tagttagaga cccctctgaa agacaaagca gcttttgcca tgctgaccaa attaga

416

&lt;210&gt; 2691&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cttagagtaag atgataatat aggtgagggg ttgtagggat aagaaggaaa  
60gaggagcagg ggaggaaaga accctgagga accaaatcat attaggagac gaggtgaaa  
120tggtactgag ggagtctgta ggaagcttag caggaaaatg gtgtataaga acttagggag  
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240tgatgagacc ttacaataag cctttcattg tatttgctct ttgggggcca gtgagaaggg  
300aaaactgagg gtggtggagg ctggaagcta gatcatgatg agctaaggag tgagtggag  
360ttgagctatt tagactagtt agagctttga tttaaatatt tggtagtcatt gg

412

&lt;210&gt; 2692&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggaggg aaaggctcagt cagcctgcac ttgcaatatc  
60agaatcagct tgctcctagt ctagtacaaa tccttctcac tgggagatct gggctgcctt  
120tctgagggca cactgcaaag gccaccttct catctccctc tggcctgcct gtcagctctc  
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240tgcactacca cgcaaagaag ggctccgtgt cacgagcgct cctagctggc tctccgtctc  
300gggtgtccca ccacgggaac ttgagaagaa gctgaacctc tcaaggcttc cggtactgct  
360ctttaaac

368

&lt;210&gt; 2693&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

gtgaaaagtg ctcatctgtg aactctatag caaattatat tttagaaaat actttgtgag  
60gccgggcatg gtggcagagc gagactccgt ctcanaaaaa aagaaaagaa aagaaaatat

120aaggatgtaa aagaagcaat ttgcttgac atctgaatat ccttcttgtg tctccatttt  
180cactcttgaa aactgaaagc aatttgactt ttatttttgt ttttctaaag aacagctagg  
240tgaaaggagg ttaagctgat tgtcactctg cctgcccact acctactccc caccatgggtg  
300tttcatgaaa catccccacc acctgaagtg atctttttta tcttctgtgat agtaaatagca  
360ttgataatta acaggaaaaa catgtttt

388

&lt;210&gt; 2694&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatg aacagcagaa gagaattatt ctacaataag  
60aaatcaattg gtctctcaac tgagaatcac tagcaagaaa ctggtaaacc aaccaacaag  
120tgggtaaaagg aaatgtgaaa ttatataact aaataaatac acacaaacac acacacacac  
180acacacacac acacacgcac acacacaagc acacaccata gaatactact caaccacaca  
240aagggaaggaa ataatagcatt ttacatttgc agcaacctgg atggagttgg agatcattat  
300tctaagtga gtaactcagg agtggaagaa cacatctcgt atgttctcac ttataagtgg  
360gagctaaagt ataagga

377

&lt;210&gt; 2695&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag acagtctccc ctcagatgc catgctccca ctgtaccacc atgtactgct  
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120actaattaat tccagctaag ggaattgact ggaattagtg acattaatat ttactgagca  
180ttccccatgt gtcactcagc ctgtgctaaa tgctttacaa gaataattac ctgccataaa  
240gcaaccctat gacatagggt ctactatgcc cttttttag atgagacagg ttcaggggag  
300ttagtatcac cttcaagtca tacagtggct aacaatctgt ggtctcgtg aatgctgggc  
360gctgctctg ctaagtctac

380

&lt;210&gt; 2696&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

atcggcacga gattgattgc tgttgcgga acttgagggt acttacagaa tgaagcacat  
60tttttacata cagtacaaat gagggtgtgc tttttaaatg gatttaaaat tcaaatgcaa  
120atctgcagtt taatctccca agtgctgatt tttctatgta taaagtagga gagggaaca  
180gcgtatcaca atgaggggct agggagaacg tgtatgtgac ctctagtagg tggcatgtaa  
240cagacactca gtattacact cctgctatct ctccagagca ggtgaaacag acggccagga  
300agcacacgaa gagacactca gcatcactgc ttgttaagga aggtgcaaat caaaaccaca  
360gtgagacgcc acttcacacc tacaagttcg gctagatan

399

&lt;210&gt; 2697&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gctggagaag cagccttata cagttgattt tgtgtatgtg gctagtctta  
60ttgtcactat gtaagtaatc caatggtttt agaaactaaa ctttctagag caataaaatg  
120actataatgt taagtaaaca taatgttgat ttctaattat gttttaaaaa atgaagtctt  
180gaattatata aagaaatctt ggcagctgaa gtcattgtta ttttgaagct gttagtcttt  
240tctataatt taaaaagatc ttttagattt atagaagagt cagaaatgta caagagagtt  
300tttttgtgtg tgtttttgtt ttttgagaca gaggctgtct ctgtcgccaa ggctggagtg  
360cagtggcgca atcctggctc actgcagcct ctgctcctg ggttcaag

408

&lt;210&gt; 2698&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aagcatttac agtttttaaat ttcccagtc gaataaattc ttattgaggg  
60caatacctag cctgtcttca tcaaactcat aggtgaatct ttgtcaaacc tataggagag  
120agatgcaggc catagagatg gtcttctga aggtcttata gctaaattag ttcagatcca  
180ggaaccagat tctggaactg attgcaccta tattatgttg tgtgtcagac actcccagga  
240cctgttttgt aataattagg acagctgaca tacttgttgc taattttgag atctgggcaa  
300caactgtgta ggctgttctt tcaacctctt tcttcttact tctttacttt tcttccacag  
360aggagaaagc caccctggg gtatagccac cgctccaatt ctgact

406

&lt;210&gt; 2699&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacaac agaagggtc tcaaactaat caatcaaaca aacaaacaaa  
60caaacaacaa agacactttc tagaagagat agtaacgata tctacctcat gaattaaatt  
120acttgggtgtg aattaagtgc ttactagga ttaccacatc attaactatt attagtaatc  
180ttacagtcatt tattatcaaa tatgtctcaa aattaatgca acctgtcagt ctatgcacat

240caaaagtgcc acagtgcttt ttggaaatta aacaaaacaa ttgcttaa at gtgcatac  
300cattcagagt aattcttatt caagcaagct gggtttatat tcatgacaag cattttcaat  
360tttaatatgt ttgt

374

&lt;210&gt; 2700&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagn nntttttttt tttttttttt  
60tttttttttt tttttttttt ggcacacacac cccctttttt ttttttttaa aagtcacacac  
120caaaacacac cggtggggggg ggggaaaaaa aacacacacac ttaagggggg gggggaaaaa  
180aaaagttttt tgggaaaaaa aaaaaatttt tttattttt gggggacacac cccccacac  
240ccgggggggg gggggggccc cccccacac taaaacacac cccccgtgg gtttttggg  
300ggcccccccc cggtgggctta aaaaaggggg gggggggggg ccccaattt tcccaaggg  
360ggggctttat ggcacacacac tcccaaaat gtggggggcg gggggg

406

&lt;210&gt; 2701&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ggtctcaatc tctgaactc atgatccacc tgcctcagcc tcccatagt  
60ctgggattac aggaattag aaggaccatg tgactaatct atacatttt cttagagata  
120aagctgagat ccaggaggct atgctaaaga gacataggta actgtggcca agctacagcc  
180agattccatg ttttaagact ctcatgtcta tttttctggg tggggaaggg gaatgaaat  
240ataactttgc aactatcctc acttcttct acctaccaa atagaaagta gttcacgttc  
300acaggacagt ggtctcatgg acttggttct tttttcttc aaatgaaatc ctttaagaa  
360tctaaaaaca aatgagcaca gatgctctgg ctcaa

395

&lt;210&gt; 2702&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcacaatcca atatctgtgg aattcattgt gtatgtttgt gtatttgtgt gtaggtgtgt  
60atgtgtgtgt gtgatacata cacaatcac gtatcacaag acattgacct tatatattat  
120gcactgtgat gtttttccgt ctttaatttt aaaaaacata ctgacacaa ccacaatttg  
180gaaaatgttg ctccatacca tccatacca acactacca cctgcaata atagcattac  
240taggagctgc agtcacaatg aataaatcaa caattcgcta caagatctag gattattgt  
300gtattttgtt gagagtgcga gcgcgttggc gtgtatctaa taccattgta tctcattgt  
360gagactttgt tacaatagg gtttctggtt tctt

394

&lt;210&gt; 2703&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatt atcctactta ttatttatgt tttacacctc  
60gtgtccaaca cacacacaca cacacacaca cacacacac ccttagaatg  
120gggctcctta agagcaggga ctttatgggt cttatggagc aagactttat gggtcctgc  
180tcttatgcag ggcctgttca cctgcacctc cagaacctgg aacagtgtta ggcacaaaat  
240atctgattaa taaatttgcg ctgaaagaga gaatactcca aaagggttct gtatgagtga  
300agttagatta ttatctataa agaattttgt ggaggcatgg caccacataa gcaccacaca  
360cacagtattt ccagta

376

&lt;210&gt; 2704&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc cagtggagct aaagagctga gatattttg taaatagagt taataggatt  
60ttctgatgat gtgggtctgg ggatcaggga agagggacaa tctactgcta ctgaattact  
120ggtttaagta actaggtagc ctttattggg aaagactgag agggaaactgg tttgtgggga  
180aaaggactat gtttcaaggc atgttaagtt ttagatatct ttgagatatt caagtggaaa  
240tgtcatataa gaactggaaa caaagttcag gactcagaag acagggttaa aattaagagg  
300caaatttttag agttattagc atacagataa tatttcaaat taaaagttt ttaataaat  
360aaatatctgt ataattatag aatcacaggg gattgcaaaa ataatac

407

&lt;210&gt; 2705&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctccagcctg ggctcaaaaa agaaaaataa attaagggcc cgttctttct caaagccttt  
60gggggctcctc gggggccctc agaaaacat aaaggggcct ttgaaaaact ggggctcct  
120gggaaccttt ggaaaaaaa gtaagggtc ctttaaaggg gatcctgttt tgaaaaaatc  
180gcccacttcg gggccccac tttgaaaaag ggggacctgg gtttcttca cagggtcca  
240aaccaatttt ttttcccta agttttttt tgggacctcg catttaatat tccaccggg  
300ttttccaagg cggggttaa aaccaccaa acctgcccag ggccaggggc tccccctga

360atccccaaaaa ctttggggggg ctaaaaacgg

389

<210> 2706<211> 376<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaagggcat ttagaatggg gaatattggt gcagccaact  
60ttgaaaaata gcttctgcca cagacactct ataagaagta gtttctgtga ggatgggac  
120ttcttatgga gtgttagtca tcaatggagt ggaaagaatg cagtcaaadc tgacacctga  
180gactgtatag tagtgaggct gattccttaa aaatcacacc agaactcggc caggagtggg  
240ggctctcacc tgaatccta gcactttggg aggccaagggt gggcagattg cctgagctca  
300ggagtccgag accagcctgg gcaacacggg gaaaccccgct ctctactaaa atacaaaaaa  
360aaaaaaaaatt agccgg

376

<210> 2707<211> 375<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaagggtat gtcaaatcct actttaata tgaaagtaat  
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120cagaaatcta tacactccag accgagaata tatcccgaag tcagcagttt atatgaggag  
180tcaactggaa atcattgcaa gtaagaaga gctagattaa tcgctatcct taaagaataa  
240actaggcaga aacattagaa cagctgcttt caaatgtttt cagaactagg tataatgggg  
300gaaagaagct caggatattt agaggtaata ctctttttt attcctattc ttatttaaga  
360gtaattaaca gcgag

375

<210> 2708<211> 413<212> DNA<213> Homo sapien

ctcctacgtc tcctatttgt ccccttttgg ctttccttac taactttaat ggccacaaca  
60tttagggcga agggggggcaa tcattgggtg tttggcattc gcagagactt ctgtcagttt  
120ctgcttgaaa ttttccatt ttaagagaa tatgggaaca tttcatatga tctccatcac  
180gaagatagt aagatgctga agaaacatca gtccagaag ctccgaaat tgctccaata  
240tttggaaaga aggcagagt agttataacc cagagccctg ggaaatacgt tccccccct  
300cccaagttaa atattgatat gccagattaa actcctagag aggaccacag cacacacaga  
360ctccacttgg ctttcgctc ttgttcattc atcccaaacc tggaaatgga aac

413

<210> 2709<211> 395<212> DNA<213> Homo sapien

ggcacgagac gtcattggaa tgggtggttt gttaagcat ttctggcttt ccatcatggt  
60tcatactgaa agtactgtag atgctagcta acctctgcc ttttaagaa taaacctttt  
120ttttaaaact aagaactaaa gctgagattc tcctattctg ttgttgagg gcttcttgca  
180tgcccgcaca ttttatcaca gcaatttgag aagttttctt tttggtttct gacaacaagc  
240atttggggag aaagccaggc ataaattagt tacgatagt ggggtttaat gtttctccag  
300tgaaaatttg gacttttctt tttcccttat agaatgcata attaaaacag actattattt  
360tgaaatgaaa tattgaatat taacaaaaat aaat

395

<210> 2710<211> 383<212> DNA<213> Homo sapien

ggcacgaggc ataagctgcc aaaccaagggt gaggacagac gaggccaca aaactgggtt  
60cctatcttca atccagagag aagtgataaa ccaaatgcaa gtgaccttc agttcctttg  
120aaaatccct tgcaaaaggaa tgtgatacca agtgtgaccc ggtccttca gcagaccatg  
180acaaaaaac aggttttctt gttggagagg tggaaacagc ggatgattct ggaactggga  
240gaagatggct ttaagaata cacttcaaac gtctttttac aagggaacg gttccacgaa  
300gccttgaaa gcatacttt accccaggaa accttaaaag agagagatga aaatctctc  
360aagtctggtt acattgaaag tgt

383

<210> 2711<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gggccactcc tcctccgtc cacctgtcac ttcgggtagc tgggaggcca  
60ggtgaggggc gcgcacggg gagggcggtg catagttgag acagaaaccc ggaagacca  
120actgtggcgc ggcactgctt gaccgaggg ctccggagcc cagctgcacc ggctgcggtt  
180tgagcgccca gggcgggggt gcggggtgga ccgcgggcgc cttcgacca aagggtgctg  
240aagctcgagc ccattacttt ctgtggactc tgactcgagc tgcaaaagct tttctgact  
300ggttttctca tctatgttat gaagataata attccggccc taaccgtagt atgcttgca  
360gaatccaaca atatgatgtt tctgaa

386



<210> 2712<211> 382<212> DNA<213> Homo sapien

tagggaccag cgtagtcctt accctttttt ttcattgagac aagcgaagac cacagaggag  
60gtgtggcttc atcaaaaacc cactgagaac gagtgttaga atcaggctag gacacattgg  
120actcctcctc cagggctctc tgacatccaa ggcctttga aatctctctc cacctgcgaa  
180cagatttcta gacttctgat ggaggtgatc tgagatgaac aggctctaaa agcagcctct  
240gcgagcctct tagagcagcc gggacctgct ggagaacaga acatggccta tgagcgcaac  
300agccaagtgt tcagcaccac ggacagcttc tctggcctat tgctggggag gccacaggtg  
360gggaggctgg ttgtccaaca cg

382

<210> 2713<211> 409<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gaactagtct cgagagcagc tttttttttt tttttttttg  
60gggggggaaa ttttaaaatc aaaagggggg gggggggccac ccttttaatt gccgggcccg  
120ggggcctctt attttattat tgcctgaaag gttgcttgaa ccaggtttt ccccatccc  
180ttaggaggga tccccccctt cctgaaagg gggggccca cccctaaagg gggggggggg  
240gggggggaaac aaaaccttgt cgttgacagc cctgtgggtt ttcacctcac ttggggaacc  
300ccataaaaagg ggccgggtta acaaaccctg gttaaaggac atttaagaat ggaaaagggg  
360gttgggccaa aaaaacccaa tattttctcc tgtggcgttc accccccc

409

<210> 2714<211> 408<212> DNA<213> Homo sapien

ggcacgagct gccctcgttc cgcgccattt aggacgactg ccaggctatc acggccccgc  
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120agtgcgtgga gctgctgctg gccctgggag agcctgcgga ggagctgtgc gaggagtctt  
180tgccgcacgc ccgcccggg ttggagaagg agctgagaaa cctggcctgg ccgagttgct  
240ggccaatgtg gccagctcca tcttgagcca cattaaggcc tctctggcag gagtgcacct  
300tttcaccgcc aaagaggtgt ccttctccaa caagccctac tttcggggtg agatctgcag  
360tcaggggtgtg cgtgagggcc tcctcgtggg ctctgtacac tctatgtg

408

<210> 2715<211> 377<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcta aggtctgtat tgccagtagt actgaattga  
60ggtcttaaat tccacaagcg taattacaca actatgtgat aaactgcaat atttatccat  
120tcattaaact gtaaaactct tgcagtctca ccacagtctt tcttactagg atctagaaat  
180atttcctatt gtaggctggt tgcagtggct cagcctgta atcccaacac tttgggaggc  
240tgagaagggg ggatcacgtg aggccaggag tttgagagca gcctgtacaa cgtggtgaaa  
300ccctgtctct actaaaaata aaaaaattgg ccagggtgtg taacacacac ctgtaatccc  
360agctacctgg gggctga

377

<210> 2716<211> 388<212> DNA<213> Homo sapien

ggcacgaggg cacatggtag cgggtcagcg aaaagcccag tgctggaccg tgggacaaaa  
60tgggaacaga gcagctagca ctgtggagat gagaaggggc tgagattaga ccgagggaag  
120gaggagtagc ctgacaggct tccacaagcg gaaggctgag cgaaagaagg cagccattga  
180ggagattaag cagcggctga aagaggagca gaggaagctt cgggaggagc gccaccagga  
240atacttgaag atgctggcag agagagaaga ggctctggag gaggcagatg agctggaccg  
300gttggtgaca gcaaagacgg agtcgggtgca gtatgaccac cccaaccaca cagtcaccgt  
360gaccaccatc agtgacctgg acctctcg

388

<210> 2717<211> 396<212> DNA<213> Homo sapien

ggcacgaggg ggaactgggg tccggaggag gccccacgc tcttgcccag ggcctccctg  
60atcatgctcc cgtggccact acccctggcc tctcggccc tcaccttgct cttcggggcc  
120ctcacttccc tgttctctg gtactgtac cgctgggct cccaagacat gcaggcccta  
180tgggctggga gccgagctgg ggggtgttcgt ggtgggcctg tgggatgctc ggaggccggc  
240gggccaagcc cagggggtcc tggggatccc ggggaaggac ctaggacgga aggcctagt  
300agccggcggc ttcgggccta cgcaaggcgc tactcctggg ctgggatggg tagagtgagg  
360cgggcagctc agggtgcccc acgccctggg agaggc

396

<210> 2718<211> 386<212> DNA<213> Homo sapien

cgttgctgtc gagcgtgggc cgcagcacca ccaggggccga ggtggacctc gtcgtgcagg

60gcctgaagca ggccgtggcg cagctggagg accaggccta gcaactggggc cgccttcccc  
120accccgtttc tgggaagccc gtggcagggc acagggttgt cctccagtt cctcctgag  
180ggctgtgcca ggatgactgt ctcatgcccc ctctgcattt tgcctggag tgccagcgag  
240tgtgcacccc cagtttcctt ccctggaacc ctgcagagct cacaggggcc aggacaccaa  
300cgccgcatag gaccgcccac atgggaacgc ccacatggga ccgcccacat gggaccgccc  
360acatgggacc gccacatgg gaccgc

386

&lt;210&gt; 2719&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgagag aagacgacag aaggggtcta gaagctgaat tagttgact atccccgat  
60cagaagggtta gtttaggcag gcattttccc cctggttttg gatctcttg ccccaaagcc  
120atgctgagga caggtgcttc cctgcctagg ctacctctcc eggcctgtcc ctggctccct  
180ccctgcccac cctggctct ctccctgccc cagggtagag gtggaatgag ggtatgagag  
240aatagcctga gacacaggca agggcatggt tgggagggca gtccaggagg gtgggactga  
300tcttgaccct gagtctgtat gtcattggtt tttcttctg acttcttgc aggaactgct  
360gtgggttttt g

371

&lt;210&gt; 2720&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgag agaagacgac agaagggtca tgagtcaact tacatagatg accacaggtt  
60cccgcatggg atcttgacat ttagaatatt ctgttggaag gtggaggcag gaccatagca  
120gagggatgaa gtcattaggac aacgaaggcc tgttctcgac tacacagtgg ccaattcctg  
180tttctgtggg agtgaccacc agccccaccg gctgggaggg agtaagtgt gatggtatcc  
240agcagaagtt tcctgagaaa ccctgagagt gtcctgatat agccttgtgg acctgctccg  
300tgtgtgtgcc ctacatttg tgtgtgtgat ttgcatgtg tatgtgtgtg cctgtgtgag  
360tgacatgtg tggtagcatg tgtgcatgg

389

&lt;210&gt; 2721&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagagg ttacagggtt ccagatcagg gagggccttg tgacttgtga ctctgagtga  
60gatgggaagt aactggggag gctgatgcga ccagagatgt ttaacaggt tccctctggc  
120tgccgtgttg agaaaagact gcaaggggga aggggtggaag cgaggagagc agtttgagg  
180ccctttgtag gaatacaggg gagaccaggg ggtggcagtg ggagggtgag aagtggtagc  
240cccaggccca ccacagaacc acctctggca ctacaattcc tgtttgatgc aaggatggct  
300gctttttctt cctgtcacc tgtgatgtga aatcatgcat ttagagcaac ttggtaaata  
360ttaatttgc aacaaatatt agctattaat atcagtatta agcc

404

&lt;210&gt; 2722&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagag tacctgacag gcttccacaa gcggaaggct gagcgaaaga aggcagccat  
60tgaggagatt aagcagcggc tgaaagagga gcagaggaag ctccgggagg agcggccacca  
120ggaatacttg aagatgctgg cagagagaga agaggctctg gaggaggcag atgagctgga  
180ccggttggtg acagcaaaga cggagtcggt gcagtatgac ccccccaacc acacagtcac  
240cgtgaccacc atcagtgacc tggacctctc gggggcccgg ctgctcgggc tgacccacc  
300tgaggggagg gctggagaca ggtctgagga ggaggcgtca tccacggaga aaccaacaa  
360agccttgccc aggaagtcca gaga

384

&lt;210&gt; 2723&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagagaga gagagagaga gagagagaga gagagagagt tagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga cccctctct ctctgagagt  
120gtgtgtcact ctgagtctgt gtctctctgt gcgcgagaga ccccccccc ctctcttgt  
180gagcgcgcgc tctctctata gagaggggag cctcgacccc cccctccttt ttgtgtgtgc  
240ggcgtgctct ctgcgggggt gcgtctctct ttgtgctaga gaccgcccctc tctttttcac  
300acgcaccccc ctcttttttt tgtgccccac cctctctctc gtgtgggggtg tctctctctc  
360tcccgcgagg ggtgtctttt tttctctctc aggtctctctc tgt

403

&lt;210&gt; 2724&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

gaggatcaaa gtctggtgta gaaataacag cggatgaagag ttgactgtg ctttccgcct  
60ggcacaggag ggattatatt cattgtatcc atttattaac tcattaatta ttactgtatc  
120aatggaagat gatttgatac tgttcaccca ggaaaatccc ttttttagaa aactcagcag

180taagacctac agatcagcaa aggacctgac aaagggaacc atcgtgctga agtatgaacc  
240agattctgtc aatccagacg ctctgcagag tcccatcgtc ttatgcggat ggcgatgaaa  
300ggcctccatt ccaacttttg tgccctagaa tgaacggctt cattatctca agatgatgga  
360gctggaggtg ttgggagaaa agaacaatga aggagtg

397

&lt;210&gt; 2725&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tgccacagcc cctccaagca gcagcaagcc aggccctcca ccacagagca  
60agcccaactc ctctttccga ccgccgcaga aagacaaccc cccaagcctg gtggccaagg  
120cccagtcctt gccctcggac cagccgggtg ggaccttcag cctctgacc acttcggata  
180ccagcagccc ccagaagtcc ctccgcacag ccctggccac aggccagctt ccaggccggt  
240cttccccagc gggatcccc cgcacctggc acgcccagat cagcaccagc aacctgtacc  
300tgccccagga ccccacggtt gccaagggtg ccctggctgg tgaggacaca ggtgtgtgta  
360cacatgagca gttcaaggct gcgctcacga tg

392

&lt;210&gt; 2726&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg ttactcccag gtgaccaggt ggcctgtagg aaaccaaggg ctgctatatg  
60accggagctg gatggttgtg aatcacaatg gtgtttgcct gagtcagaag caggaacccc  
120ggctctgcct gatccagccc ttcctgcact tgcggcaaaag gatcatggtc atcaaagcca  
180aagggatgga gcctatagag gtgcctcttg aggaaaatag tgaacggact cagattcgcc  
240aaagcagggg ctgtgctgac agagtaagta cttatgattg tggagaaaaa atttcaagct  
300ggttgtcaac attttttggc cgtccttgtc atttgatcaa acaaagttca aactctcaaa  
360ggaatgcaaa gaagaaacat ggaaaagatc aacttcttg ag

402

&lt;210&gt; 2727&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag ccaatgaggc ttttgctgt cagcagtga cccattccat tcagctttac  
60agcaaggctg tgcagagggc cctcacaat gccatgcttt atggaaaccg agcagcagcc  
120tacatgaagc gcaagtggga tggtagccac tatgatgccc tgagggactg cctcaaggcc  
180atctccctaa acccatgcca cctgaaggca cactttcgcc tggcccgctg cctctttgag  
240ctcaagtatg tggctgaagc cctggagtgc ctggacgact tcaaagggaa atttccggag  
300cagggccaca gcagcgcttg tgatgcattg ggccgcgaca tcacagctgc cctcttctct  
360aaaaatgatg gtggtgagtg ggcactgagg agggggtgct gttactcttt c

411

&lt;210&gt; 2728&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat gggcaccata accaggaggt gggctactgc cagggaatga attttatagc  
60aggatatctg attcttataa caaataatga agaagaatct ttttggtgt tagatgctct  
120tgttggaaga atactaccag attactacag ccgcggccatg ctgggcctga agaccgacca  
180ggaggctctc ggggagctgg tgcgggcgaa gctgccggct gtgggggccc tgatggagcg  
240tctcggtgtg ctgtggacgc tgctggtgtc ccgctggttc atctgcctgt ttgtggacat  
300cttgcccgtg gagacagtgc ttcggatctg ggactgtttg tttaacgaaa gctcgaagat  
360tatcttccgg gtggccctga ccttaattaa gcagcaccag gg

402

&lt;210&gt; 2729&lt;211&gt; 359&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagaccac agaagggtaa gcaccatatt agaaagctct gaatttccat  
60gtgataagtt ttagaggctaa aggggcaaat gctttaggaa aatttcgtag caatatgttt  
120ggtgtttaaa gtagggaagg tctgagttag agattgcagc taaaagctgt ttattactaa  
180agtgaaggcc agttatcagg aggatctgaa cagggaagga aaatgggctg aaatcacaag  
240tttgagttga cagctgaatg tttctaggga gtcaaatatc cctaggattc acattgagtt  
300aactgggagt ggcaagtga ttgatagtag tgaggacaga gagacagtca aagaaagg  
359

&lt;210&gt; 2730&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgcg agaagacgac agaagggtt ttgtttttt aattctaaaa aaaaacaaat  
60gttaggcca acagatccct agatcccact cattgattct ggcggattc cttaaagtgt  
120gcttagggg tcagaatttt ctggactttt gctaatccaa gcttttagatt taatttaacc  
180aggaccacat gcttgtcatc tctctgatgc aaattttcaa aatcatttta atttagattc  
240taatgtctgc ctgggtttt aacaggctgt gaaccagtga gtgccttgtt aatgtagaat  
300gatttttccc ccctgggtgg gtggtagtta gtcctctct gaaaatg

347

&lt;210&gt; 2731&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcag attaatgtgg tttttcagga aaggacttag  
60gtgaactgag gtttttacca caggcagtga atgaccttgg ttcaccaa attgacctgt  
120tttgaggggc ttggtccaga gtgacttggt aatttactct aacttccttg tgtgttgatg  
180ggtaagtaca ctcaaacact gaatacaggt gtgtgatggg tagatttcac agcccttcta  
240ctaatagtga gtgtgaaggc aagcttgatg caaacctcc tgaccttcc tacctgaaga  
300gccctttgac ttctaggaag aaaggtcaaa aatgttatct tt

342

&lt;210&gt; 2732&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtt gaataataaa aatttaaccc attgttgtga  
60aggagcctca gaatatattg atgttaacaa aagagttctg tatttataaa gtggagaaa  
120cactcatcaa gagttaggag taaggccag tgtgggggtc cctctggtaa taccagcatt  
180ttgggaggct gaggtgggcg aatcacttga ggtcaggagt ttgagaccag cctggccaac  
240atagcgaagc cccatctcta ctaaaaatac aaaaattagc cagctgttgt ggtacgcacc  
300tgtaatccca gctacttggg aggctaaggg aggag

335

&lt;210&gt; 2733&lt;211&gt; 345&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtc attgactata gtgctgccaa gtaaaaatat  
60cttggaact cttctactag aatggccttc agggcttggc atgttccttt ggtttaccct  
120tagagatgag aaatcctcct cttttgagga tggatttaag ttctggaaat aatctcaagt  
180gcttgatagc acagctggat gaaaaagat ggcaattaag gtaagttaca ccatTTTTgt  
240ttctaaaaaa tccctaagaa atttcttggg atgagtcctt ggctcagag cctctcaag  
300tgctcacttc aaggggggat catcctcatt agcacacaga ttttn

345

&lt;210&gt; 2734&lt;211&gt; 336&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgct agaagacgac agaagggtgt gaccttgggc aagtgacttc atttttctaa  
60gtctgttttg tcttttatga aatgaggata ataatagcac taacctcatg gtcattggga  
120ggattgagat aatgctaaaa gcatccttag cacagggtct gtaatttaa taaaggttta  
180ataaatatta ccatatgatt cttattactg tgaacagtta agaaatagta aagtgataca  
240taatgggtga gtacgaggca tgagaacaca ggccaacgtg atgaattgcc ccatgaatag  
300tgctgtgtat aaccctctcc aggccagggt tcatgn

336

&lt;210&gt; 2735&lt;211&gt; 356&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttatcggctg ccagaagacc acagatgttc ttctccactg gcagctgaaa agtctttgca  
60aagatccttg accctgggct cttccctatg atttgccaca taacacagga cagcaccat  
120agacctacac aacaaaatgt acagttttcc ccccttatcc atgggggata tgttccaaga  
180ccccagtgat atgcttgga gtgtggatag tactgaaccc tagatatgca gtgtctggat  
240agaaggaaga ggataagagt aaaaggggga ataaagaatg tggaaggcac agagtacaga  
300gagtaaatga agggaaaaga agcaagtga tatgatggag ggtggtaaaa ggaaaa

356

&lt;210&gt; 2736&lt;211&gt; 351&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggagg gtgggggggag ctacaggtcct aaatgtgagc  
60ctcatcacag ttctgtctt cagcagccca ccaaaagccc tcttctactg cctgtcacca  
120ttttcatacc ctctagagtc acttatcaca aaagtaacaa tcacaatcct tggaaagggtg  
180tactatatac ttaataaata agcaggata catgtgtgga tttgtacatc ccaagagggtg  
240ggactgatga gagacagcag caccctattc cccacaatc aatgaacaaa cctggtaaat  
300actctctcca tcccctgtgc cttcagctc aaatattgtg actctctttt n

351

&lt;210&gt; 2737&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactgtgcg agaagacgac agaaggagg agaagataaa cagttacaag agccccagtc  
60gcatgaaaaa aaagtccaga atgctctgct cagaggagac ccaattttct gaatactgag  
120ccctgaggaa tttcaccact gggtttccca taaatgagac cccctgtgac ctgggtgggc  
180ccatccctcg gaagtgtacc ctggcatttc cataggactg ctctctctg ggcctcttag  
240tgcaagccag cagtgaatg ccacatccaa gtttggtaaa tcaattctaa gtgagataaa  
300ttaatgcctt ttttggggga agatgggaaa cagagtgggt ttgt

344

&lt;210&gt; 2738&lt;211&gt; 353&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggc tgggtctcgaa ctcttgacct caagtgatct  
60gcctgccttg gcctcacttc tttatttttaa accatctcat ccaaccttac aaaatacttt  
120caatttcagt accgcagcag tcccttcaat gctgcatgag cctgggtgcat gagcctgtaa  
180ctgttttccc tctcttaaga gcagtgtccg tttcttcttc atcctagagt ctctgttgcc  
240tagcacagt tggctaatag aggtgtctca gaaacatttg ttgagtgaat tgcgtaaatg  
300gttataatca catctgaatt aataaataac ttaaaatgcc actgccgagc ttg

353

&lt;210&gt; 2739&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatg tgtattatac tcatatgtat tacacaaata  
60tacatattct acaaacaaaa aaccctaaca gccaccaagt aaatggggac cttgtaacta  
120actgctcaac cctaaagaaa tcttcaaac caagtatcca ctaaggctgg attcaacaaa  
180tgttttttagg gccacagtaa atatttcagg tttggcaggc catatagtca caattactaa  
240attctgccat cacagcagca aaagcagcca cagacaatac ataaacaaaa aaacaaacgg  
300gtgtgctgcc tgtgttccag taaaacttta tttatggaca tt

342

&lt;210&gt; 2740&lt;211&gt; 336&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttatggctgc gagaagacga cagaagggat cagctttctt agttcaggcc acctgcaacc  
60tcttcttagt agcaatcaca cccccagcag cctggaacta gagtattctg ccaaagcaga  
120aaccctgtca ctctactcac ctatataatg attttctgtg aacttaggta tgaagttgaa  
180aatcctcaac ttgtcatata aggtctttta tgttgctcct gctttagtgg ccaccaatct  
240accaccccat tcaactctccc actcccaacc ctacacatgc acacctctt cacattcaat  
300ttcttctcct ttctccctct ccgtcagca atactg

336

&lt;210&gt; 2741&lt;211&gt; 341&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacgtctgcg agaagacgac agaaggggtg tgtgctgtac aaaggaatgc agagatarac  
60gtccgatgca gctttcatct tttgggactt ggcttgcca ttacttctga ctttctctac  
120tcgtcctctc ctgccccacc ccgccccgtg tgcaccata aatctgggtg gcaccacag  
180atcctatgcc gctctgcatc ccgagtgtcc tgcagctgtg tccagtgtg gacacactat  
240cctggcagtg tgcaggccca tgttgacag ggccctgcc cttccttggc acctgtatg  
300ctttcagtaa gcatttctg gacaaaggca gaaagggtg t

341

&lt;210&gt; 2742&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatg aggtggtggt cctaggctgg gatggggtat  
60ggtgcagtta cttgtattga caaagcttag gttgtggata ttagatggg agatggagga  
120ggaagaatca caggccaact gaatgtggag tcagaccacg gtgttcagt gatctttgt  
180gtgcatgtt aaattgccac aagtgatgat ggaagtagtt agtgggtgtg gaaaggacag  
240tgaggggata caggaattaa atcttgaagg aatgcttctg gataatgagt ttaatccaaa  
300aactcattgg actaaatgaa ttttgtccat cgcttcaaag

340

&lt;210&gt; 2743&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagggc ggacggtggg caccggcccc gccgccacca cctcgctcac aatctggcca  
60cttgggaaga aaacgtctat ttttttcccc ttctctgcat cacttttttg gtttttgttc  
120tttttattct tttatttttt aaacctatga tcttttttcc tgtgtccaag tgactgtgtt  
180gcaggcggcc cggctctggc agggactggt ggggacgcgg ggagcggccc agggccctgc  
240cccgcggggc tcagcctccc atgcgctcgc gcttgccctg gtcccgggct tgtctgtgaa  
300gtgggcgtga agatcgttgc cacttccaa cctacctcac aggggtgttg tggggacacc  
360atgatctctg gattgttcat gtcgtcgtgc tgcgccggga gccaccgccc tccggagact

420

&lt;210&gt; 2744&lt;211&gt; 438&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgcaggatac catcgagctg gttgtttggg cctaagcggc ctacggctgc gagaagacga  
60cagaagggct tgggtggtt aataggtaat cagacaaaaa ctaaatgaat ttaattgtt  
120atgaatatag actcactaaa tcagttagaa cctgtgtaga cacaaatcaa gattttgtct  
180aaggatggta aaaatacata tctgggcctg tggctgcctg aaagttaaag gagagttaca  
240tatttttaaat actgaataac ttttgaaacc agcacgacac tacaactacc attattacta

300atagctaact ttcaccgagt acttacttga gccaacattg atctaaaccc ttacattga  
360tctgagccca ttaccagc agatgcaaac aggatcagag aaagcacaag gtcattcttc  
420ctccctaggt caactgaa

438

&lt;210&gt; 2745&lt;211&gt; 420&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca gaaatgaaac tgtcaaaaca tcgatcagta caaggaaggg acacagggct  
60tagaatgtcc acagtcttgg cagtggactt ggcagttctc ccagtaagca gaagtacttg  
120agcttaattc tgaacttcaa agtaatatatt tatacttaat tttaggagtt ttcatattaca  
180tattgaaaaa tgccttgact gtattcacat aaatgggtgct aaaacattgt accccttata  
240agaactgcag caatccacag taatgttggg tacttctgag tatttgataa aggaacaaag  
300tcaaaatgaa tgtatttaaat aagcttcttt ctcatttcca ttgtttttat aaaaatatatt  
360tgggtattgtt gcctgcattt tagccacttc taactttttg tattatgaat ttggagagga

420

&lt;210&gt; 2746&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgatcgcatg aaccaccgg cttgctcgtc tggctttttg gccgaaacgg cctacggctg  
60ccagaagacg acagaagggg cttctccagc acccagtgct taatctcctt ggcctggaat  
120acgaggcctc cggactggga ccctgctgct tctgcagcac ctggtgtcta agtgccctct  
180tcttgatgtc tgctcttcag tcacaaggag ctgctcatct ctccctgagg acacacgtgc  
240acaaacacac acacatgcac acacaagtgc acacacagag aggagcgtgc tcttctactc  
300cttctccctg cagtccctgg aatgcacat ctgtcctaaa ccaaaggccc acccctctcc  
360tgaagtccac cctgggtctca ccaatcacag gtccgatatg caaaaacaca gatataactt

420agag

424

&lt;210&gt; 2747&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcc agaagacgac agaagggcac tgaatgaact ttaattgggg ttgttaaaag  
60acagaattaa cgaagtctaa tttttataat gaaataagtt ttgatattg ctctacttgg  
120acgatttttag tgacaaaaac tatggataaa actgcctaag cataacatta atatatttag  
180aatggcattc ttcagtgtca gtatttgaaa ttggaattag tacattgtgc attcttagta  
240ggctttatcc ctagaatcaa ttctctcagc atcaccaaac tgaattgggtg aaatagtgtc  
300aagattctgg gcaataggaa gattagtga tatgatacat tgg

343

&lt;210&gt; 2748&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtca tcatatttta tacgttgatt ctgaactata  
60gaaaaataat aaatgggatt ttaattatag ctcttagttg ggaaagaaat atagagagat  
120gtgggatttg aatgcccatg aaagacattt tttttactt gaatatattc ttgcttcact  
180ttaccctcca taatatgttg tacattagtg ctgatcaagt ttacagagtt acattttgct  
240ttcctaacca ttcagtcagg aattaaaata tggcattgta taacaactgg gaagaagctc  
300atagtggata taaattagag tagataatgg gtcacct

337

&lt;210&gt; 2749&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaac tagtctcgag agcagnnntt tttttttttt tttttttggg  
60ggggaagggc ttttttttga aaattggggg aaaaattttc ccggccccc gggaaaaaac  
120ctgggtcccc ggggaaaacc ttttacccca aaggttttaa ccgtgggcaa ttaaccggaa  
180cctaaaattt tgggaacata aattgggtggg gggcccaaag gaagggaaaa aaaaaattcc  
240tttctttttt tccccccctt ttttttaaaa aaaacccccc cccccccctt aatatttttt  
300ttaggggccc cctttttttt cggggccttt gaaaaacggc tttttttttt cttttccccc  
360cggaccaggg aaaaaggggc cccttgtgaa aatttaggga aaattg

406

&lt;210&gt; 2750&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg gttagctatt actgctctc ctctgactg  
60ctgtcatttg ttgagcatct gttgactaa gtgctttcta tattcagtaa tcttttttaa  
120caaccctcaa ccctgaaaga cagttaatct gttaggtgca ctgttacttt atggattagt  
180ttatgatttg gttcatthaag cttttattaa gcaattgcta accgccaggc atctggatac  
240ttgactaagc agcagggtata aaagttaaac gaagtatagt ccttacagtg ttttagaaga  
300gattatagtc tcatagactc gggtaggtta agcaaattac tagtcacaca gctaataaga  
360gacagctgag g

371

&lt;210&gt; 2751&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcag actttgctac ttagtacaca aacgggggttc  
60cctttttaaat ttgttcactc tagttagcat ttgcagaagc tgtgaaaaat tacagagaga  
120tgatgtgttg ggtaagagat ggtttaaaag tccagcttgc tgtttttcat taagtgtctt  
180gaaaatgagt aagtggcgtt cctggagggg aacaatcata taattccgca ggggtgggtct  
240aaaacttggtt tctgatatgt tttagcagct catggctctg agggcacctg ataacacagc  
300agccaggcgc tgatgagaag tgtgtgccag acagaccgcn

340

&lt;210&gt; 2752&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagcg agaagtcacc tttctccaga tcactctgta gagtcagtgg actcaatata  
60gtggcagcag gattttaata taaactggca gactgattct aaaatttaca tagaggccag  
120ccgtggtggc tcacacataa tcgcagcact ttcggaggcc actgcaggaa gatcacttga  
180gcccagaagt taaagaccag cctgggcgac agacacttcg tggcttattt ttttttaatt  
240attaaaaacg aaatttaaac caggtgtagt ggctcaccct tgtaatctca gcactttgga  
300atgctgaggt gggcagatca cctgaggtca ggagttcgag accagcctgg ctaacatggc  
360gaaaccccg tctactaat aataccaaaa aaaaaaa

397

&lt;210&gt; 2753&lt;211&gt; 350&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gcgagaagac gacagaaggg cagctgcatg cctctctgcc tctctgtct  
60gcccacctcc tctgcagtg tgctactctg ctctgtgact gctcctcatg cagctcgag  
120ccatgtttcc tctctgtctc ttgatttgc ttagctcctt ctagtgcctt gaaactgaa  
180ctggcctgta gttgggatca aagatggagg gagaggggag attgtactat ggatagtgt  
240gggcaagaag tgaattctta cactggaatg ataaaaggaa cctgcttctt gagtttctta  
300aaattgtgtc tggaaactcag atttgcactg ctagtatag tagctgctgg

350

&lt;210&gt; 2754&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gatttatata tattatacaa aatattattt gcatttaaca tattctgaac  
60caatagtctt ttctacaagc agaacattaa tattcttgtc actctgaatg taggcacaga  
120tttttgtcat cttttatctt ttttgtgtgt gtgtgacaga gtctcactgt caccaggctg  
180gagtgcagtg gcgtgatctc ggctcactgc aacctctgcc tcccagggtc aggcgattct  
240cttgccctcg ccttttgagt ggctggggtt gcaggcgcgt gccatcacgc ccggctcatt  
300tttgtatttt tggtagagat ggggttttac cgtgttggtc aggctgggtc tgaactcttg  
360accttgtggt ctgccaact n

381

&lt;210&gt; 2755&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgca agaagacgac agaagggata caatcagcta gaaattacac ttatgccatc  
60tcctaaaaaa taccatgcag gattttgtga atgaattact ggaaatccat ctaaatgtct  
120ggaagacaat tctaaatgca taactttctc atgggtctaag gttgtgctgt tcaactatggt  
180aaccattatc cacatgtggc tgtttgtgtt aattttttac attaatata actcaattac  
240actagccacg tatcaactgt taaataataa ccacatgtgg ctagtgcta ttacactgaa  
300cagcataaat agagaatatt tccatcttca tagaaagctc tcttagaagc atttgtctaa  
360aatgtcatct tcatgtatga taaatagn

388

&lt;210&gt; 2756&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg agagactttg cattcctctc tccccagca  
60ttgaacatag aagctctgta atgtagagc catgaaattg acccaatctg gattgatgat  
120aaagacagct gcctgaaaaa gtccctgac taagcatgaa tgaaagataa actttatgtc  
180ttaaatatt aagattttgt ctttgaaca gaagcattag cctatcctat cctgactgat  
240atgaagccat ttacagcttt taggtagaca tgtaacaagg tcagatttgc atttttaact  
300atcacttttag ctgtagcatg gagaatggat gagagggata tgaagtcggt aggtgttcna  
360ctacctcc

368

&lt;210&gt; 2757&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgattcgaat tccgttgctg tcgagagccc ttcctccctt tccacatggg aagcactgag  
60cccaatttct tctcacccca cagatgggtc ctgagagcag agatgtctaa tgaaagggtc

120agattcagat cactaacttt ccattcttcca ctttttccag tgggtggccat gttccccctg  
180ttgccttcac aaaaaccttg tgaataatac aagccatattg gactctgatt tacagttag  
240aagatgagca gaggtgggtg tgagttgccc agtcatgttg ctgattgttg aagaaactag  
300gattgttctc aggtcttggg ctcttgccc atagaccagt ggctctgtgt tctgatgggg  
360tattgggga

369

&lt;210&gt; 2758&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagc cacttgtaaa agctgaactc tagtctgtgt cctccattct gccccgccc  
60ttcctcccct tatttgtaa atgaagcaac atagtgaagc gtcgtctcta caaaaaaaaa  
120gaaaaaaaaa aattagccag gcatgcgaaa cgctgagggg ggaggatcaa atgagcttgg  
180gaggttgagg ctgcagttag ccttggtcat gccactactg cgttctagtc tgggcaacag  
240agtgaagcct tctctcaaaa aaaaaaccca aaattgtaaa attacttcta tagctatatt  
300ttatgataaa aaagggatgg tttctcaaaa tcgcatttta aagacgtttt atggaacttg  
360ttggaatggg gacttaggag ttttgatttt gataaaaaac tggaa

405

&lt;210&gt; 2759&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tttgccatgt tgctcgggct ggtcctcgag ctctgagct caagcgatct  
60gcctgccttg gcctcccaaa gtgctgggat tacaggcgtg agacacacca tgccctgcct  
120ctcaatacac tatttaatac atcagaccct ttggtacctc taggcagagg accgcaatta  
180atttatgagc agctgttctt gtatacatgt aattatgttt gactacaaat gcatctttac  
240aaaaatgggcc tagtggaatc ataataataa tggttcagat taacttaatt cagattaaga  
300aaattgtttc atactgaggt aagcgattga aaaattgtct atttaaaaat gcagtgcatt  
360ttaaaagagtt actatttgag gatctaaaat atacagaga

399

&lt;210&gt; 2760&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaatacagc agaagggtaa ggtgctggga tatggctgag aacaaaacaa  
60agtcccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaca  
120caggcaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaaacaa  
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca  
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactgggttt  
300gtttaagact ctgttaattt ggttttcttt acttacagct gaatgaattc ctgagaccgt  
360gtgtaggaag gtgca

375

&lt;210&gt; 2761&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cagaggttgc agtgagccat gattgcaccc ctgcactcca gcctgggcaa  
60ccaagtgaga ctgctctttt taaaaaaaaa aaaaaaaaaa aaaaaggggg caaaagttg  
120ggggggggcc ccaattttt taatttttta aaaagtttgg gcccgggggg gggggcaaat  
180ccctgaaacc cccccctttt ggaagccag ggggggggga cccccgggg cggggatttc  
240aaaaccaccc tgcccaccg gaaaaaaccc ccccttttat aaaaaaaca aattaacccc  
300gcctaagggg gcctcccctg tatccccct tctccgggg gggggggagg gaaaacctt  
360taacctgggg gggg

374

&lt;210&gt; 2762&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agaagggacc tcattacagg agtaggagtc catttcatac  
60aaccttggat tgtgtggcat cagcagtctc aacactgaac cagttgtcag ggagggtgca  
120aactgacccc ttcaatgcaa actatctatg caaactgacc ccttcaaagg ccattgtgag  
180caggattatc cagatgttag ctgccacctt cagggaattg ctgttctagc ttgtcttgc  
240tactggctc tgtgccacat gatgagcctg cactttcagc tcagctgctt tgtgctgctt  
300ttactgagtt tggctgagac tctttgagag aattctctga cctaggtcag taatttagat  
360aatattttgt tagtt

375

&lt;210&gt; 2763&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cagaagcctg gattcaattt tcattcctga taaattgtac gaactttggg cataaatatt  
60tcaacttcag cctctcttcc tctgaagtag gatttatagg acctttgcta tcttgaatta  
120cagtgatatt tacttagaat gggtaattc catttaaaac ttttttttg ctgctcaggg  
180aaaagtgact tgataacaca cagagtgaac cctcatgttt gcaaattcca ggggccatgc



240ctagtgactg cataatacga ggggctggag ccctgatccc tgtcataagg catgtaacag  
300cctgcatccc tagatttcag ggataactct ctgaagcctg gaaagggta gtattccaca  
360ggctgcgccc tctcatgctg tccattttga gtaacccg

398

&lt;210&gt; 2764&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacgggtg cgagaagacg acagaagggg tttttaaatt gttacaaaaa aatcaactaa  
60attgttcaca tgagaacatg tcctggcaaa aaaagaaaga gaaaataaga gaaaacaact  
120aaattgttgt taatgttaga taaataagag gcacttattg attcaaccac agttttctgg  
180agatcaactt taatttttgt ttgtactttg gtggtagctt ttttcattgg aaagaaatcc  
240aaaattaaaa ttacattgtt aactaaatct tacttttttg tgtgaatttt tgtaattaat  
300tttcataaga cactcttgct tttgagtaag tttcttggtt gtaacaaca caacacaatt  
360tatcactatg aatgaa

376

&lt;210&gt; 2765&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagta tttattgaat tcttatttaa acaaacaga aacataaggg gcaaggggca  
60gggagaggaa agcctggcgc ctacaaacat gaaataacgt aagatgtaaa acattgattc  
120atatacaaat ggtaaattcc aagtgcctcg ctactaacta tggggcacct taaacattgt  
180tcggcaagaa gaatctcata gtgtgataac ttaatgcttt aagtttaaat atatttcata  
240agttttacca atctgatgtg ttattttcta tagatttcca gcacctatct agagagcaat  
300tggcctatac cgctgagtcg ttattatgtt ggtgctaact tttgttgact agcatttgct  
360gcaagaggca ttctgggaag agc

383

&lt;210&gt; 2766&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa tcataaggat attcttattg tgaataccct  
60gtagcaggtt aatctggact caaatcaggt tgcccaggt tcccaaattc acttcattac  
120tttcccaacc acttccccct taacttgctt tcccctgaac cgtagcaaat agtaatgcat  
180gacaagctga taggagggaa aacatgacaa gtgaggttga gttagaaagg aaaagcaggg  
240ctatgaggaa ctgaataaga gatcagattt gtatttttcc tttggagtct tgagaattgt  
300aatatttgaa acccttggca gaaaataaaa tcataaccaa gtgactcaga anaaacatac  
360taatgctaac tgt

373

&lt;210&gt; 2767&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgct ggaggaggag gttgattatg atgatgatga ggaccagggg tcagccacac  
60tctctcagac tcctcagccc cagagagtat caggggtttt tcccgcctct catggacccc  
120accactgcc catgactgct actccccgaa agcttccaga gggtgagagt gcaccacttg  
180agcttcctgc cctcctgca ctgccccca aaatcttcta cattaagcag gaacccttcg  
240agcctaagga ggagatatca ggaagcggaa ctcagcctgg aggagcaaag gaggaaacca  
300aagtgttttc tggaggggac actgaaggga atggggagct aggggtcttg ttgccttcag  
360ggcaggggcc aacatctgg

379

&lt;210&gt; 2768&lt;211&gt; 338&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg gctgtgaatc agccatgatg ctgagtgcta  
60caagagagga ctgtgcggct gggagggtt ataacaggat ttaacctagt tagggaagat  
120ctgaggaagt gatgaaagaa tggaaatcaa tatgtaagag ctcacaagtc agagtgat  
180gtttcttctt atactgcctg cttctaataga gcatccactt cattgaacca cctcttcatt  
240gagccaaacc taccatacag ggatacatc tctggaggaa agttgagcaa ctattgcatt  
300tgggacatta aagtatgggt gggctgacag gtatgtgn

338

&lt;210&gt; 2769&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg caggcagatc acttgagccc agaagttgag accagcctgg gcaacatggt  
60gaaacctcat ctctacaaaa aatacaaaaa ttagccagac atgatggtgt gtgcctgtgg  
120tcctagctac tagggaggca gaggtgggag gatcacttga gcccaggagg tcgaggctgc  
180agtgaagctgt gatcgagcca ctgtactcca gcctgggtga cagagcgaga ccctgtctta  
240aaaaaaacca ccaacaggga aaggccagga cgacgaggag aagttggtat ctttttgta  
300gctccagagt ttgtgctggt gaaagaaggt taggatgtan aaaagggtt tagagacata  
360cagtggctgc tcttcagtat tcttcaagg

390

<210> 2770<211> 375<212> DNA<213> Homo sapien  
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60aggaaatctg ttagtctcca ttccggagg tcttgctatg tagaaaaatt ggatgacttt  
120attgcttaag tcaactataag aatgttttct gttacctgca acccaatgca cccaactaat  
180aaagtatgtt tctagaaata cacttgccctg cactcatttt ttaagacaca cagaccacat  
240acacatggag agatattttt aaaggctctg tactacataa attgtactat tttttaattt  
300aaaaatatgg gccaggtgca gtggctcaca cctgtaatcc tagcactttg ggaggccaag  
360gcaggtggat caca

375

<210> 2771<211> 379<212> DNA<213> Homo sapien  
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60gaaacctgt ctctattaaa catacaaaaa aaattagcca ggcattgggtg cacacctgta  
120atcccagcta ctgggagggtg gaggtttag tgagccgaga tcatgccact gcactccagc  
180ctgggagcaca gagcaagact ctgtcacaaa aaatattctt ccagttttc atcatcatgg  
240ctacaagtta ccaagggtcat ttgtttattt ggtcatttcc ttgagggcga gagggcaaat  
300tgcccttggtg ttgtaccagc gccaacctc tgatgtttgt tgaattaatg aacaccatt  
360tttcagatca ggaaagggg

379

<210> 2772<211> 330<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggaaa gtatataaca aaaattgtat atatcaacac  
60aattttaatt tcaaaataag aatgttgaat ttttaaaaag caagttgctg aggtaatata  
120aatgtatgac acaacttata tatagtttaa acataatata acaagagcaa atagtaaatt  
180atgaatttga atgcatatgt gtggagagtg tgggggtgag tgtggatgtg ggggggatgt  
240nnnnnnntnn tgnnnngntg tgtntntann ngtnntttt tttcttttt ttgnttttt  
300gggggtggtta tgttgtcagg ggtttggtt  
330

<210> 2773<211> 348<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcat acagttggga aaggaagaag caaatatatac  
60tttatgtata gataattggg ggcacaaaac attctagga accccaataa tatttactag  
120aataaataaa attagcaaag ttataatgaa acataatgtg gccaggcatg gtggtcacg  
180cctgtaatcc cagcactttg ggaggccgag gtgggttgac cacctgaggt agggagtgtg  
240agaacagcct ggccagcatg gtgaaacct gtcttacta aactacaaa attagctggg  
300catggtggtg tatgacctga atcccagcta cttgggaggc tgagtcag  
348

<210> 2774<211> 408<212> DNA<213> Homo sapien  
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60cattggaaga aggttgcaa taccagcttg gttgcaagga aagaggcaat tgtgaggact  
120ccttctcaca ctgcagtaat ttgctgagtg acctgaaca aggatcttaa tgcacagag  
180tctgttttct caaccccaaa atgaagggat tggaccagat gccctcaagg ttcctcaagg  
240gtcagctgtc acagttctcc aaagtgagtt ttcaggcaga catagagtta gccagtgtcg  
300cctcaccagg acattttgtt ttctgaacat tgggcctctg tggtttgtca catacacca  
360ggggactggg ctcataactc cctgaagaac ctctgcccag aacaaagg  
408

<210> 2775<211> 337<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggctt tcataatac ctaactaatg atgtcactct  
60aatgcttaaa catgcttcag tagcctcagg ataaaactct gtggttaagg atcaaaggta  
120ctcaaattgt aggtcccaga gttctacatg gggagcatct acttgttgct tgtatcatgt  
180ctttctcaac ggtccctatc gctagaaga agagttaatt gcttctttct tactgtcatt  
240tcatgccttc agaataaatg tatagcatat ttcaccaggt tagaaactcc acaaagggtg  
300attcactgct atatttctag ggcctagaaa tctaggc  
337

<210> 2776<211> 338<212> DNA<213> Homo sapien  
ttactgttgc gagaagacga cagaaggggc tgggggagct gcctgtgccc tggcctggcc  
60aggaggtccc tctgcccgt cagctgcccc tgcaactgca cgtcccatg ctctgcagt  
120cccaccagac agacacctct taggaagcgg catgctccct gggacaggcc ctgaggcatc

180acggcctctt gtgaaattat caaacgtcac cagggtgccag aggcaggtgg gcagaacgag  
240gctgaggttc actgggatgc tgtgggttaag gcctctgctg acctgtgctg tgccggccac  
300tgggagtgtg aaatgagcaa acgggaacag aagggtgg

338

&lt;210&gt; 2777&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtct gttttgtaga gtaaactgaa ggatctgttt  
60tgttatataa cacatttact tttcataaat ggtgttatct ggcaggtatt tttggcttc  
120cagaataaaa gttttaaaaat taaaaggggt atccaagtat ttttaggagc ctagtatttc  
180ctcacttact cccaaactct aaaagtagat tggctttatg ttaaacagag aattcgtaca  
240gaaaaaatct tcaggactgt attcattcca taaataatgt actttatttt attgcatatg  
300gctattaagg agggcatcca tgatcaatac agactaaata caatgcacta ttctagtcca  
360gtttattctc gtctcc

376

&lt;210&gt; 2778&lt;211&gt; 357&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtct attactcgac tttgaatttc tcacacagct  
60ggcattaaat tcctcttctc aagaaactta caagtagttg tagattatta tcaccagagc  
120tgtcaataatc tgtatctgca agaaactgcc agaaaacagc cagtatacct gtaaaggggt  
180caagctaaat agaatttata aagacactat tacagagata taggcagagt tagggactgg  
240caccaggaa ctcacaatag cagggaagccg ttagcacctg cgatgggctg aatcatgttc  
300ctccgagact cacaagttga agcctatcc ccagtagct gataatgtga ctgtatn

357

&lt;210&gt; 2779&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacaac agaaggggga gaggaccag atgggcttgt tgaagtacca  
60tgggttaatt ggtgaagtgg ccaaggggtat gaggagtgc gggtaataaa gaaagagcaa  
120gggaagggaag ttgaggtgtg gtataagcag ggaaagctgt tggatgcaag gttggagtta  
180gtgggggctg gaataaaaag atgtgacct acaactatta atgctgtctt gttaaacaaa  
240atgatttgtg tggatctgtg tgaaattctg acttggctag cctatttcaa aatgcacgat  
300gaggttgttt taaatgaac ttacgaattc agtttttccc tatttcccg accgtgattt  
360acatatctc acagg

375

&lt;210&gt; 2780&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggagga cttaaaacaa taagcatlta ttactgatct  
60gaagtccaca ggtcatctgg gtcagtctct gatctgagcc agcctactc actcatgtgt  
120ctggtccact ggcagtttga aagggaacct aattcacatg tctggcagtt ggctgaatgt  
180tggctagagc aataggatga ctagaccata taccttttgt tctccaacaa acagttgcag  
240gggaccaggg gagcaagtgg aagcatgcaa tgcttcttaa ggtctagtat cagaagttgc  
300acactgtcat ttccactgaa ttatttagct gaagcaa

337

&lt;210&gt; 2781&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtgtc gggacaaagc aaaacacata ccataaatgc ttatcattta gatcccaggg  
60gccccaaatc tgaactggag catgagtttt atgaattaga acctctggct tcccacagct  
120gcaactgcccc tgagaagacc acttatgaag agaccacat ctgctctgaa tttttcaaca  
180gccaagcaaa gaatttaggg atgctgtgc atgcagctta caacagtga ctcagcaaaa  
240gcaactgaaag tgacgctggc tctgccttgt tacagcccc tcttgaacag cataccgtgt  
300gtcacttctt ctctctgaat cagagatgta gctgccaga tgcctacaaa cacttgaact  
360atggcccaca ctcttgccag cagatggggg a

391

&lt;210&gt; 2782&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg aaggggaagg caaactagg atcttgggaa  
60ccactgtaat ctactttgtg tctagcctat ttctatatc cattgatggg tccctgacct  
120gtgtgtcttt cctgttggct ctctttgatg ctggattctc tgtacctgc tcccactg  
180cctcctgctg gctttcctca gatatcaagg accaagtagt cacatttccc ctaccatgca  
240ttgtgtgcg tcttctactg aagaaaacac ctagggactg accactctc cctccacca  
300gatcttccca acccagtggt ttctgaggct ttagggtaag gcagctagtg aaattttct  
360ctccaaatcc tggaaggg

378

<210> 2783<211> 362<212> DNA<213> Homo sapien

ggcacgagat gaaggcccat gaggcggctt ttattgaaca ggaacaaaaa gaagctgttg  
60cgtgagctga gaaagcaccg ggagcgtgtg gagctgatga tggatctgcc tggggtttcc  
120attgcagacg agggggagac tggcatgttc tccttggtgca ccaccgggg tcaccagtta  
180ttacaggaag taacacaagg ggatatgagt gcagcagaca ctttctgtc cgatctgcca  
240agggatgata tctatgtgtc agatgttgag gacgacggcg atgacacatc tctggatagc  
300gacctggatc cagaggagct ggcaggagtc aggggacatc aggttctaag ggacaaaaag  
360cg

362

<210> 2784<211> 336<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggcag ggacatgtct gacccaccc agtgcccagc  
60tcagagcctg ataagtgtag gtgcccaggg aatgtgggtc agtgaacata agagaggact  
120tcatggagcc caggcgtggg cagggcactc cgtggtggg tgcgtagtga agaggcaagt  
180agatgaaagg gccaggtca tcctggccat gtcaggagca gggaagggcc cacctggtg  
240aggggatggc cagaggagct gtggggcagc attgcgggca ctcacctggt gggcctctca  
300tccccattgg gcccgcactg ccggcatctc ccttgg

336

<210> 2785<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtg tagtcccagc tacttgggag gctgaggcaa  
60gagaatcact tgaacccggg aggcggaggt tgcagtgagc caagacagca ccactgcact  
120ccagcttggg taacagagcg agactctctc aaaaaagag caacaacaac aacaaaaaaa  
180accatagcca tatggcttga gtaaggaaag acagagtgc tatttgttga gatggggatg  
240acagtgaaaa gacaggtctt ggggtggtgg aaagtgcaa tgtaagtgtt cgattttgga  
300tatacttaat ttgaaacgtc attatacaac caagtggaga tcttgcattg acactggaga  
360tacatggcca aaaatatn

378

<210> 2786<211> 373<212> DNA<213> Homo sapien

ggcacgaggc aagatggagg cgactacggc tgggtgtggc cggctagagg aagaggcgtt  
60gcggcgaaag gaacggctga aggccttacg ggagaaaacc ggcgcgaagg acaagggaaga  
120tggggagcca aagaccaagc atctcagaga agaggaggaa gaaggcgaga agcacaggga  
180acttaggctg cggaactatg tcccggagga tgaggacctg aagaagagga ggggtgccca  
240ggccaaaccg gttgcagtgg aggagaaggt gaaggagcag ctggaggccg ccaagccccg  
300gcccgtcatc gaggaggtgg acctggccaa cctcgctcct cggaagcctg actgggacct  
360caagagagat gtg

373

<210> 2787<211> 410<212> DNA<213> Homo sapien

ggcacgaggt taaacagaag agccatcgtc caggatcagg gatgtctgcc tggccttatt  
60ttatttatgg accatcccaa cctccagtc gtccactccg ctttgcttgc tcttcgatac  
120ttggcagaat gccgtgcaaa cagagaaaag atgaaaggag aactgggtat gatgttgagc  
180ttacaaaatg ttatacagaa aactacaact ccaggagaaa caaaacttct ggcctctgaa  
240atctatgaca ttcttcagtc ctccaatatg gcagatgggt atagttttaa tgagatgaat  
300tcacgtcgaa ggaaagctca atttttctg ggaactacaa aaaaacgtgc caaaacagtg  
360gttttgcata tagatggcct tgatgatacg tctcggagaa atctatgtga

410

<210> 2788<211> 407<212> DNA<213> Homo sapien

ggcacgaggc tcgtcctgcg gcggccccc agcccacctg ctccctatcc gtttcctgca  
60agatgggtgcc cctgcctcc cctcacccat tgctcacgga aggaaaagca gacgtggcca  
120gcctgcctcc tctgccctcc ctgagcctcc tggcctggct ggccacagct ggcattggacg  
180ccatcagcag gctccgtgca ggcggacggg ggcagcccc acagccaggg caccctggac  
240ctcactcacc agcacccttt tggcttttc ctagcaaat atgcaaagtg tgaccagtgt  
300ggaaacccaa aggtgagtgg gttccggctg caagccacca aggccttcagc tttgggggtg  
360agcagggtgg tctctgcact gcttgngtg gcaggctctg tgccccc

407

<210> 2789<211> 388<212> DNA<213> Homo sapien

ggcacgagtg aaaaccttat tagtgtgtg atagtagaga agcttttagt caaaagtcag  
60tttattaaat gtttagaata cctaaacagg aagaaaattc tattgtttt tataacaaag

120tggaagattt caagaaagga caactcactg tacacttgag aataatacct acagagggttc  
180atactgaaga gtagtctcaa taatgtaaag aatttgacaa gcatgatgct attgaaatag  
240ttctgtgaagg aagtgggtgt ctttatacat caattattac aaaaagcagt gaattgtaag  
300tgtgaggtgt gtttacttag atgtgaagag ttctccttac tgctgtgatg gaataacaag  
360ggtcagattt cctctcctgc cttaaacn

388

&lt;210&gt; 2790&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacgggtg cgagaagacg acagaagggg accagaacca tatagtgagt gggatctggg  
60aaagtagttc ccagcttaac agttaacaca ccacgcacca ccagtacaat ttgtgttttt  
120gttctggtgg ttaccattat attaatacct ttatatggta ttctaatttc cttctctttt  
180gggggggagg ggtattatgt gtctggctct cccattttac attaactatc actaatcttt  
240taaagttagta ttacattagt gtctttatcc gcggactgcc tcaattttca ttttattttt  
300tccatgagtc aacggccctt attcatactt taac

334

&lt;210&gt; 2791&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctccgttgct gacggtgccg gggaaacgga ttcatctacc cacgaaggac gcgggagatg  
60aggtgccagg gtaaacagcg ggaccgcgca ctatgtcacc ctttctgccc gactgcccgg  
120aggaactgca tgcagggcgcg ccggctccgt ggcaggcaga ggcaggaaga ggcgcggagc  
180ccgctcgtgg cgaaaagggg agtgcggcgcg gaggggaggg cagaggcagg cggccggctg  
240cgtggggcct gggccgcccc aggagggcct ctggctggat tcttagcaga tggaaagccgt  
300gcaagggcag gaggcagggg cctgacgtgt ttggattgag gttgcaggag gggcccctgg  
360ctgcttcagg gagaataatt tggaggcgag cggngagggn

399

&lt;210&gt; 2792&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcnnnnntc tgcagcggcc tacggctgcg agaagactac agaagggcac agaaggcggc  
60tctatgagaa gagctctttt aatgtgggaa ttgatataca agaaggtact tagtccataa  
120gatcaggatg tacaagataa ccccagaggg cyctcagcca agcttagagc cactatcaaa  
180ttataagtta ccacatctt attcttcaaa tttttcttgc aggttctcta gtctttactc  
240atgggtatgt cctgaatgtc ttgatatagg ttaagtatg ggacagtcta aaaattgata  
300acatttagca ttttttttcc tcacaaagaa actgtggaaa atattagcat gacagagaaa  
360gttccactca cggagtagca tctcaagacc ggaaa

395

&lt;210&gt; 2793&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggc ctgagggctt gctctgcctg cctgaggact  
60gacccaagct atattctgag tcagggctag gggcagctta gtgccaccac aaaggccttc  
120cctcagcata tataacctca ctgtctccca ggagctatgg gggtaatata ggcattggga  
180gatgctggag ggaggcaggg tcttaattgg ctgatcaact caaccaagta acattgggta  
240atggcccaag gtcaatgtgg ggagtgtcaa ctggataaat gatattcagg gaagcccatc  
300cctgttctgc tgcaagtctg gagagcatgc cacaggtgag cagcgcttgt gaaggttaaga  
360tatggaggcc ac

372

&lt;210&gt; 2794&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagagag agctagtctc gagagcagct cttttttttt tttttttttg  
60ggggggggga aaaaaccccc ctttttttgg gcttttataa aacaacccct ttcaggggaa  
120tggggggactg gaaaataaaa ctcccccggg gttgggtttt tgggaacctg aagcctttta  
180gaaggagagag ggtttttttt ccaaaacccc aggggagggg gggcttttga tttttggaac  
240acaaaaaggg gccccccctg gggggggaaa aaggctaaac cttccccctt acctggggaa  
300tgagccccc cttttgtccc cttctggggg ggggggacgg ggcctttttt ttttttgacc  
360cagggggcggtt

372

&lt;210&gt; 2795&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cccacctgaa gaaaatccat ggggtgcagc agcagtatgc ctataagcag  
60cggcgggaca agctctacgt ctgcgaggat tgcggctaca cgggccccac ccaggaggac  
120ctgtacctgc acgtgaacag tgcccatccg ggcagctcgt ttctcaaaaa gacatctaaa  
180aaactggcag cccttctgca gggcaagctg acatccgcac accaggagaa taccagcctg  
240agtgaggagg aggagaggaa gtgaggagaa ggaaggggag gacagacgtt cacactgcc

300cgtatgtcta cgtggatttt tggttttcag cttccccccac cccactgggt cttcttaatt  
360agaagtgacc agttcacctc tgtgtccttt tga

393

<210> 2796<211> 353<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggggaa ggatgtggct ctgccatgaa ggatgtcctg  
60ttgccccttaa aatctggaag cgattcaagc caagctgacc aagaagccaa agaactggct  
120aggcaataaa gctttaaggc agaagtcaat tcatctggaa agactatctc tgagtgcagac  
180ttaaaccact ctttttctact aactgattta caagatgata tacctacaac attccagggg  
240gctacggcca gtacatcgta cggagtccag aattcctcag cagcatcctt tcatcaacct  
300acccaacctg tagctaagaa tacctccatg agccctcgac agcgccgggc cca

353

<210> 2797<211> 379<212> DNA<213> Homo sapien

ggcacgaggg aggaacagcc ctcaagcctg tgtcgggtggc ctgcacccag ctggcatttt  
60ctggcccctaa gctagcgccc cggctcggcc cccgcccagt gcctcctcca cggcctgaga  
120gcactggggac tgtgggcccc ggccaggccc agcagagact ggagcagacc agctcgtccc  
180tggcagctgc actgagagcc gcagagaaga gcattggcac caaggagcaa gagggcaccc  
240ccagcgccctc caccaagcac attctggatg acatcagcac catgttcgac gccctggctg  
300accagctgga cgccatgctg gactgagccc tccagcagtg cccactgtga cctgccgaag  
360tccactgcct ttgcccag

379

<210> 2798<211> 380<212> DNA<213> Homo sapien

ggcacgagat tcttttgtct aaaacttate gaaattgatg cttgtactct actggctccc  
60tgatgatagt agaaaagcac tagtaatgta ccaaatgaaa ctggttgtgt accagatgat  
120tttggttaact tcttaaatag cctagaaatc gtcagcaggt cacatacaac tgcagtgata  
180atttcagaac atagcaaaat ggctgataat ttggatgaat ttattgaaga gcaaaaagcc  
240agatr.gggcg aagacaaagc agagttggaa agtgateccac cttacatgga aatgaaggga  
300aagttgtcag cgaagctttc tgaaaacagt aagatactga tctctatggc taaggaaaac  
360ataccaccaa atagtcaaca

380

<210> 2799<211> 340<212> DNA<213> Homo sapien

tactgttgcg agaagacgac agaagggggg tgtctgaatt gggaccggaa aacgttgtcg  
60ctcatcctat gacgcgaaag taaccgagac tatcaggatc cggagacyga aatgtccgaa  
120ggcagcagta cttgaccctg tatttttgga gtcgaacgga gaatggaaac tgaaagtgga  
180aatcaggaaa aggtaatgga agaagaaagc actgaaaaga aaaaagaagt tgaaaaaag  
240aaacggtcac gagttaaaca ggtgcttgca gatattgcta agcaagtgga cttctggttt  
300ggggatgcaa atcttcacaa ggatagattt cttcgagaac

340

<210> 2800<211> 368<212> DNA<213> Homo sapien

tcgaattccg ttgctgtcga gagctaggag ttggatgggg aaggacgccc ggccaaaagc  
60caggaaaagg ggaagcgctt ggatggaaag gacgagtttg aggacctcga gtggtccgag  
120gaggtccaga agctgcagga gcagcagctg cgcagcgacc tcctggacca gtaccgttcc  
180ctgctggtgg agcgggaacc ctcccagcgc tacaacctat acctgcagca caagatcttc  
240gagggcgtgc gcagaaagaa gggcctggag gccgctgagg tggctgaccg gggcgagag  
300gccgaggccc ccgagaaaga gcaagcgtac ctgcgccatc tgggcatgct ggaggagctg  
360aagaagcc

368

<210> 2801<211> 413<212> DNA<213> Homo sapien

cgacgaggca agatggaggc gactacggct ggtgtggg ccgctagagga agaggcgttg  
60cggcgaaaagg aacggctgaa ggccctacgg gagaaaaccg ggcgcaagga caaggaagat  
120ggggagccaa agaccaagca tctcagagaa gaggaggaag aaggcgagaa gcacagggaa  
180cttaggctgc ggaactatgt cccggaggat gaggacctga agaagaggag ggtgccccag  
240gccaaaccgg ttgcagtgga ggagaagggt aaggagcagc tggaggccgc caagcccag  
300cccgtcatcg aggaggtgga cctggccaac ctgcctcctc ggaagcctga ctgggacctc  
360aagagagatg tggccaagaa gctggagaaa ctaaaaaagc ggactcagag ggc

413

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404

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357

&lt;210&gt; 2828&lt;211&gt; 361&lt;212&gt; DNA&lt;213&gt; Homo sapien

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361

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375

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378

&lt;210&gt; 2831&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

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371

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375

&lt;210&gt; 2833&lt;211&gt; 348&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtt ctaagatttc caaaatacta taaaatatcc

60tcatgttctc aaaggcagaa ccagcctttt aaaatttaaat ttaatcagca ctttaaaaaat  
120tatcctatga attgatgggt gtagactaga tagttatccc taactatttt ttgtctcctc  
180ataacagaat taaatctttt tagctattgc tatgtgtctt gcctgtgcat ctaatggaaa  
240ttgtatacat ccttgccctca ctgatttagg gcttgataat atgacataat ttgaccaatg  
300ggatgcaagt acaataaatt tagctccatc ctggcagaag cttcagcg  
348

<210> 2834<211> 348<212> DNA<213> Homo sapien

tttcaagcgg ttacggctg cgagaagacg acagaagggt agcagactat taagatgttg  
60agtaacaagg gaaatcaaca cggaattgta ggcctaaacc actggcttat aaccagatta  
120tggggccctt taagaatctg ataagaagtt cgcattttct ttatccccag aatagacata  
180cataaaaaata atgcatacta agtatctggc attcatagac ttccctctaa tacattaatc  
240acacattatc agctcctgct gttaaagata ctacaggctc ttgaaaaatt ccctcttagt  
300tctgggtgta agtactaaca gtgggttaatt tttcaacca ttgattat  
348

<210> 2835<211> 379<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggagt gctgggatta caggtgtgag ccaactgcacc  
60tggctgagac tgccttttga ctgatgactt atgttttagct ctgatgtgct gacagggaca  
120aaatgctgga gaaggaataa aaaaggaata atccaacaag gatcaagaga acaggaaagg  
180agacaatagc taatgaaagg tttccaacaa tttgggggag ttgaaaaaaa agagtcgagg  
240taattgactt aacagagaaa gctacaacct cactgattac agaggggaac acggaaagga  
300ggcaagccta ttaccacca cagaatcctg gaaaaattca gcaattggaa gtacaaagtg  
360taggtgaggc aatgagcaa  
379

<210> 2836<211> 374<212> DNA<213> Homo sapien

tacggttgcg agaagacgac agaaggggca caccgcgcgg gaagggttat caagtgccaa  
60agatcaatgc tacctaccac ctgtacctgt atgggtgaag gcagaagaca gggagctcta  
120ctctgccttc cactctccct atcttatctc ccctttccct gagcaaaata ttgtcacaat  
180caacctgtag cagatgtttc ctgtgctttt caaacatacc aaaagtctgc tcatctttaa  
240gtcaattcca ccacaacaaa gaggttgatt acaaagatcg tcaaagagct cacatgaaaa  
300tagtgtttct ctgtccattt aaaaattact cagctgatgc acttacaagc ttctaattca  
360caataatgac gatt  
374

<210> 2837<211> 372<212> DNA<213> Homo sapien

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60taatgtttgt gcaaattctg tacaattaaa tctgtaaaat atttagcact atttgtaaaa  
120tactttaaatg gagacatata tcatgttcat tgaacagatg actcatcaag ataccaatta  
180tccacaaact gatcaacgga ttcaacgtaa ttccattctt agtctgttta tgctgctatg  
240acaaaatacc tgagactggg taattcataa aaaacaaatg tattttggta ggtttggtag  
300tctggttagg gctatatgct cccgagggga gaaacacat gtccgcatgt ggcagaaggc  
360agaagagcga at  
372

<210> 2838<211> 378<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggagt tgtaaatgtc caaagctaac aagtaaccaa  
60caaaaagtgt gttaaacatt cttctagaca ttgcctgtag tagttaattt ggggaacaga  
120tatctttttt gcatttgagt gtaagaaaag gaaaaagaca gtttgatat ggaagtctg  
180ttgtgttctc tctctcctc ctctcaaag atgagtcatt taaagttgat tcaggtgcc  
240gacaatgaaa aagaggggtg caatgtctgc catatgaatt gaaatgttt gatgagagg  
300catctgcagg agaattatct ggggggtggtc tatctttctt tctctggctc ttttctctc  
360ctggatgctc agcttcct  
378

<210> 2839<211> 344<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggca ggatatcgga agccctgatt agattctatc  
60ctaagagcaa cagaagatca ctgacagtgt tttaaataga tagactagtt tattagattt  
120gcagtttaga agttcccttt ttttgtaatt attggacagt gtagagaccg gatggtgaga  
180gatgagttag gaagttgtga cagctctcta tacctaccgc taatgtagag gattatttat  
240tttcatttca ttaccattcg tgtaagggtg gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt

300gtgtatatct agtttctcta tagaacatat atgggagaga gaga  
344

<210> 2840<211> 347<212> DNA<213> Homo sapien  
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120cgccactgca ctccagcctg ggtgacagag caagactctg tctcataaaa aaaaaaaaaa  
180aaaaacattg ccttgggggg cggccgcgg ggtacaatg tccaacccgg aaacctttgg  
240gggtgctgggg gtgctgttcc ccaagccaag gttttctccc ccccgggccc ccccgggga  
300aaccccccttc ttaataaaaa atccaaaata acctggggct gggggac  
347

<210> 2841<211> 347<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcac attttgttg tggctaaagt ttctggcagt  
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct  
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac  
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga  
240aaataatgga tccaagaaaag caagtttct atggttaaga ggttaagtaa caattgtaac  
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcagg  
347

<210> 2842<211> 346<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcac attttgttg tggctaaagt ttctggcagt  
60gaatctgatg gttactttaa ggactaagac aaatattgtc agttcaggtc cttgggacct  
120atacctcaag aacctggcct atgcctatag ctgacctct gtccagtact tccaaatgac  
180tagaatttct ggatcaaaaa caaagcagg cagatcacta agatttggtc agacacaaga  
240aaataatgga tccaagaaaag caagtttct atggttaaga ggttaagtaa caattgtaac  
300aggaagagaa aaagacatgt aatctacaca aggagggtag gggcag  
346

<210> 2843<211> 346<212> DNA<213> Homo sapien  
tctacgggtg cgagaagacg acagaagggg acagtggcac cacctgattt catgatgtac  
60catatgcact aacacatggt tgaggtacag aattgaagct gatttttctg ctaaagatga  
120atttctatta acaatcccat ttttatattg tattattaaa acaaaaatac ctctctttgc  
180tagagagtat atgtatgact tatattatta actatggttt gcatttaaca catggccgat  
240tgccctgtaa tctgcttatt ttaacaacat acggtgctgg gcacagtggc tcacgcctgt  
300aatcccagca ctttgagagg ttgcgggtgg atcacttgag gtcattg  
346

<210> 2844<211> 373<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggcct gttaccagc tgggccaaca tggtagatat  
60atgagattca catatggttt cattaaagca cataggaaag tgctcagtca atatttaatt  
120agtttaatta gataagggaa aggagaaatc cttaaattga tggattcttt tatactgtga  
180atatatttcc atcagtgttg gtaagatatt aaatgactat cagttgatcc cagtcatcag  
240tgacttattt gcatatttaa gccctattca caagagacca taatcatttt aatcttatat  
300tttccctcag gaaatttagg gactctgaag ccctattttt attctcttgg agtaaactgt  
360tgagtgtagt tac  
373

<210> 2845<211> 345<212> DNA<213> Homo sapien  
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120ttaagtcact gaaagtgtgt actacaaaag acttccatcc actattagct gatattcacag  
180tgtgtatcac cttaaaatgc ttagggaggg cagatagctg tgctctctac ctttatctgg  
240agttatttag tctgatccct tcgggcgagg cctcattccc actttcatgg ctggtttggg  
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345

<210> 2846<211> 374<212> DNA<213> Homo sapien  
tacggctgct agaatacgac agaaggggat tgaagataag acgggaattt acatgggata  
60aaagaaaaaa agtaccttaa atgaggacat tcccatgtat gattaaaaaa acattctgga  
120tgtaaacatt aaaaacggat ttctgtgtgt catcctaaag attttgagat tcattgtatta  
180atttgttttc agaaattaaa gggattacaa ttgctagtaa aattgaactt cgtaataata

240ttttctcttgg tattagattc agaaagccag cgattagaag agatgctaac tgtgtttgga  
300ggtagcttct ttatgaatag gtaaaattgt attttcaaaa atttgatca taacaatat  
360gtagtttccc tgta

374

&lt;210&gt; 2847&lt;211&gt; 351&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca ttcgatcttc taggtcacag aagactttgt  
60tagctggtat agcagacagg gaaaagttag cacattccca tctttaagag cactgcttct  
120aaattctgtc actctttttg ataggaaatt accctaacag cctcattttt tccatcttag  
180ccttcacaac aaataataaa taaagaagga gtgatatagt catactgtat tatactact  
240tactatactt attcgtagt atactgtatg agagtactgg tcaggggatt gggattgaa  
300gggtctagt ctggctctga tactacctag tagggcaatt tagtcatgtc n

351

&lt;210&gt; 2848&lt;211&gt; 345&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtct ccatgggggtg cacagaatgt ctgtgagact  
60gatggagtgg agaacgccat cccccagcct ctccagctac tcgaggcatt ctgtagaaca  
120taagcccata gattgtgtgt gtgtgtgtgt gtgtgtgtgc atgcgcgcgc gtgcgcactg  
180gaggaaccta agaaactatg tggcgacatt tctcttatt tagagctccc agagtgtagc  
240tcagaatcg taaagggata tgctcagtct cacagccagc cgtgggatct cagtcccaac  
300actcaccctt gtgctactga gtcagctcta agaaaatctg ccaag

345

&lt;210&gt; 2849&lt;211&gt; 368&lt;212&gt; DNA&lt;213&gt; Homo sapien

aattccgttg ctgtcggcgc cgggggcgca gcttatgagg gcgccggacc tgggaagccg  
60attgcaatca gttgtcagac ccgggaagcc cgacgttccg ctctcccgag tccctctgtg  
120gggtgaggaa tgggtcttgt gaaattctga gcaaaaacaa aggcacactc tatctccgaa  
180agggacgttt gggtcacatt tcctctctgg gggcggaactc caaagtcttc aaaatgagaa  
240ggcagaaatg aaaacacttc aactttttt tcttttctt cccggggcgg gtgtcttgaa  
300ccctcttctt ccccgccct ctggctccgt tctctctccc tctccaccg gtctcccgga  
360ctcggggg

368

&lt;210&gt; 2850&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcac tagctgccag ggcagttggc tgggcactga  
60gaggctgttg gagccttctc ttcttactta ctcttggcct ttccaatttg ctctatactc  
120ctatccatga aaaccaacca caaatccatc tgtactacct acccgctatc ttctctaaaa  
180gcaaacaaaa caccacacac acaacactat actgtcttaa aaagtctttg caaatgcata  
240cctctgtgga ttgaaagccc tctccagtc ttcttatctc aaaggccaaa ctcaaatct  
300acttcagtga gactttcctc cattctaaag caagggtccc cccaacc

347

&lt;210&gt; 2851&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggg aagctcaggg ttggactttt gatgcctcgc  
60aaagctgtga tacagatact tacacatcta aaacagaagc tgatgacaag aacgatgaaa  
120aatgcatgaa agttgactta gtatctttc catcttcacc tattatgggt gataatgata  
180gctctggtac aagtgataag gatcatagt aaatacttga tgggaattag aacataaaa  
240tgaattcaga ggaagtaaca cagagccaat tagattcctg tacaagtcac gatggtcatc  
300aacagctaag tgaagttagt agcacaagag agtgccctgc ttn

343

&lt;210&gt; 2852&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaca aacaatagct gagcacaggt agagcgtgac  
60cagggagagc gcggatgctg gcgcaggaag gctctgagga aggctgcaca cacaggatgg  
120ccctctccag cttcacgtcc tcagggttac agatacagcc ggggctggtg gtcacagcaa  
180gcacctcca tctctgtc tgctcctaag ggcccttct ggtgtccagc ctggggcctt  
240tgctaggtca gagccaaggg gatccgtggg aagcatgtga tggggcaggg cagagggctg  
300gggcagggg ggagttcagc acaggagggtg tgtcacagtt ggggcgtagt tgtaagtgt  
360ggcctcatgt gtgt

374

&lt;210&gt; 2853&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaa tcaggattca gactccataa aaaagcctga

60agaaatcaaa caatgtaatg atgcacctgt ttctgttctt caggaagata ttgttgaag  
120tcttaaatct acaccagaaa accatcctga gacacctaaa aaaaagtctg atcctgagct  
180ttcaaagagt gaaatgaaac aaagtgaag tagattagca gaatctaaac caaatgaaaa  
240ccgattggtg gagacaaaat caagtgaata taagttagaa actaaagttg agaccctaac  
300agaagaactt aaacagaatg agagcagaac aactgaatgc aaacaaaacg agagcaccat  
360agttgagcct aaacaaa

377

&lt;210&gt; 2854&lt;211&gt; 371&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cagaggttgc agtgagccaa tattgcaccc ctgcactcca gcctggggcaa  
60ccaagtgaga ctgcgtcttt taaaaaaaaa aaaaaaaaaa aaaagggggg cggaaatttg  
120ggggggggggg cccaaatttt ggatttttaa aaaatttggg gccggggggg ggggcctaac  
180ccctaaaacc ccaccttttt ggaaggcaag ggggggggaa aaactggggg ggggggttca  
240aaaaccaccc gacccaacgg ggaacaaacc ccgtttttat aaaaaaaaaa aattaacccg  
300ggattggggg ggtggccctg aatccccact ttcccgggg gtgggggagg gaaaactggt  
360taacctgggg g

371

&lt;210&gt; 2855&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg ggaaaggcag agaatgtctg aattcttggg  
60tctcttcccta acctgatttt gagagagccg tcatgacccc acccttatcc tagccttatt  
120ttctgcaatc tcaatctgtg tggggtaggc tggatatctg agggccttgg caattccttc  
180ctggaatatg gggaggagag gagagaagag tcanggccca ggcttgggtc agcctatggt  
240cttgacaggg ggagagcttt ccacagccag gcctaccatc aggggaacaa ctggagggtc  
300ttaacatgc ccaggactca aatccccgt cttctacttt tgggatg

347

&lt;210&gt; 2856&lt;211&gt; 329&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggact ctgggtgcc agacaacatc caggcctttc  
60cccgtaggca gcgctgncag gaggcagcag tgaaggtccc cttggctctc tggccccagc  
120ctccctccct gtccacctt ctgcagttcg aggcactcgc tttggcctca ggacacacct  
180gccttgctcc ctctgcaggc cataacatcc ccttcctctg acctcttcta aaatctcctc  
240cttcacgtgg ttcttcata ctatggccca ctggactact gagcctaate atccaaaaat  
300tgaaacccct tttcttcaag ggtgggaag

329

&lt;210&gt; 2857&lt;211&gt; 325&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa ataatcatga aaacgatttg cggaatgaga  
60taaaacttca gaaattagat gaccaaattc tacaacttct aaatgaaact tctaattcaa  
120tagataacgt tcttgagaaa gacccagac caaaaagaga cacagatata acttctgaaa  
180gtgactatgg aaacagaaaa gaatgcaata gaaaagttcc tcgaagatca aaaatccctt  
240atgatgccaa aaccattcaa actattaagc accacaataa aaactacaac tcttttgtaa  
300gttgtaatcg taaaatgaaa ccacc

325

&lt;210&gt; 2858&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag agagagacat ctgacttact gtagatgagg nacctcaatg caacgctgta  
60gctagctgtg acaactgatt agtcctctgg gaagacaagc gggttatatt ctacgaacca  
120tgtctgatca attagtagtg gctgcctaga actgcactgg ccaatatgtg aaccattggc  
180cacatgttgc tacttaagt gagaaattca ttgcttcagt cacttagcc atattacaag  
240tgctctatgc ccggacactg aacatttgca tcatcacaga aatttctatt ggccagcgct  
300gacttagaac gtcattgttg gaagagaagt gaggccgtgt ctaggaagca tgagagatca  
360tcattggtcca ttagcaatgg

380

&lt;210&gt; 2859&lt;211&gt; 463&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggttgctgc gctctcctcg aggtgccccg ctgtgaccag cagacctgca cacagacgca  
60agacaggata aacatctggg aagcacaggt atatgaggca cagaaacaca aggcactgtg  
120gatgcctctt ctgtctggac agaaaactgg agtcaggaga cctctctgag tccccagaga  
180cagaatcatc actactgtgt gtccttgga cttaaagtag taaaaaaaaa aaaaacccgg  
240ccgaaagttc acagcttgca ccttgaaaaa ggaccctcac aaaaacccaa ccatgctggg  
300acctgatttg ggacttccaa acttccaaaa ctgtgagaaa aaaaatatgg ttgtggttta

360taagccaccc acactatggt attttattat accaccccaa ccaaacgggt agggtaaagg  
420tagggatttt ggccaatttt taccttacct ctcaacatta gaa

463

&lt;210&gt; 2860&lt;211&gt; 422&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gttagagtta tagagagaga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagacaga gagagagaga  
120gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagcgccc  
180ctctctctct ttttttcgtg cgctcttgcg atagatatct tttttctct ctgcgcgtg  
240ttttctcaca cacacacaaa aaagcgctct cccctacac gccccccct ctctgtggag  
300tgtagaatat gtgtgcgcgt gctttcttct tctctctctg tgaggggggt tccccccct  
360tcgtttgtgt gtgggctctt tatgtgtgtt ttctctcgcg cgcccgacaca ttttaaaaaa

420

422

&lt;210&gt; 2861&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtc tgagtatagc aatatctgtc ttcaaaatgc  
60aattttctat catcagatct ttcatttctt catgattatg aaaatcctaa ataaaacaac  
120agaaagtttt agctagtact caataaaata acatatcatg attacctctg aagttaaaga  
180ataacctgca catccatgca ctaaaaaggt tactgtaagt ggatatccaa ctggagaaaa  
240agttgaagca aaattttgaa ccttatagag cataaattcc aaaaagttca gaaatttatt  
300taaagtcaat gaatttataa aagtaaacac gcacacacac atgcacacca gagagttttt  
360aagagtttca gaattggaat

380

&lt;210&gt; 2862&lt;211&gt; 450&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcttcttttt taggatccca tcgactcgaa ttcggcacga gtggtgttcc actagtatgt  
60tgaaaatgtc atatcatgga gaatggagac acctccagg tgtctgttaa acccatcttc  
120tctgtgtact tctggcatct tttttggtag gatcatttgg caggggggag ggggtggaagg  
180cttttggcac cattgaaacc agttctggcc catttgtttg aatagctaac atacacatca  
240gctctatagc ctccatatac cacctgatag aaccctgaa taatgctctt gaaagtgtaa  
300cactcatgct tctaccaca agcaattaac ataaagctta tacgccagct gtacgacgcc  
360cattgtttac ataactcttc tacttttaat tcaaccatct tttgcacccc tcgattcgat  
420cagctccacc tctagtctct acgtatcgtc

450

&lt;210&gt; 2863&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaa gagctctagt tctttgacag ttgcagtgtc  
60aatggcttca agtttattga atgtctcaaa attatgtttt gagtaaggcc tttgccttca  
120ctcaaatatt caaattattt tcatcataat ttaaattctc aaatatatag tgttttattt  
180tcagatatga tatatactgg aaacaggggc aagtattctt tatcaatatg atacttttag  
240aaaataattg ttttcatttt tgtgaaattt atttcagaca gtctcaaccg ccagtgaact  
300acagaaacca atttactgga ttgtagctgg taaagccctt gattatgaac agatgctgct  
360tctcatggct aatgtgaaat gggatgtaga aaaaaata

398

&lt;210&gt; 2864&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
60gagagagaga gagagagact ctctctctct tacatagcta gatatacaca tatacacaca  
120cagacagaca cacctgggtt tgctctcccc cctctcttgg tgctcccaga gctacgcttt  
180ttttgtgatg tctctcgcgc tttctctctt tgctgcacac ctctactgcc cccctttctc  
240tttttctctc tcgcccgcct tttttttttt ttctgcacac actgcccggg gtgaaactcg  
300ttcccccccc ccgctctttt ctttttttat gtcacgctcc ccgaggagg cgtggctgag  
360aatggcttcc atggagtctc cccgtgaatg cttttctctg ccacaccg

408

&lt;210&gt; 2865&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

gatcaattcg gcacgagagc atgtgaaaag tccctggggc agaatcaagc ttggcatctt  
60caaggaaatg acagagaggc ccatgttgca tgggtggaga ctggcatgag atgaggctgg  
120agaaggggtca ggccacacag ggctggataa agggctctga cttcattctt ggtgtgatgg  
180gaagcccttg gaggatttta agcaaaaatg tgccacgatt catgctggtg ggtctgtgga  
240agatggattg ggataaagggt gggagtaggc tggaaagggt atctacacaa ctccatcctg  
300ctatgaccgc tgcccttaac tatttaaaagg accctggctc gaaggggtga ggaggacatt



360ttatcggaga cagagccctg agggacctga ccccatggg

399

<210> 2866<211> 388<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat gaggaagaaa tacgaaagca gtaaaatgaa  
60caatgagaat ctgttaccga aactgatata aactccctca gaaagaaaga tactactccc  
120taatcctgga agtggttaagt ggcaataatg atcaaatgtt gtaaagggga ttgttactac  
180agctaataatg aaatgggagg ctggactaaa tctaaccctt ctacccttga tttcaattct  
240aaaaggacac gtactaccat tgcagaaaga aaagacagtt ccaaatagata aatttttagag  
300ttgttttgct aggatgcaag agaaattgga taagtggacc actcatacgt tgctgggtgag  
360atatgaaata gtagagccac tgtggaan

388

<210> 2867<211> 409<212> DNA<213> Homo sapien

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120cgaagtgcctg ggattgcagg tgtgagccac tgcgtccagt ctgcgcccga agtttaagaa  
180gagcatattg tcatggcctt acatcagtta tatgctcctg ggtaacaaac taccacaaaa  
240tgaagcgact taaaacagta agtccttggt catcatcatg tgggagtatg gatgtgggca  
300gggctcatct ctgttctactg tgcgtggccac gctagcaagg gcaattaaca gttggcaggt  
360aggttggtct gtgcttccca ttgccctcac ccacatgggc ttccagccc

409

<210> 2868<211> 413<212> DNA<213> Homo sapien

ggcacgagga agtaaccacc attcccacct ttactgcct aggtcccaag tctgaataca  
60ttttttgaaat aggaactccc ttttgcaaaa aagaaacctg ggtgtcagt aggtgaagt  
120acttgcccta tgagcagaca gcatgccaaag aatggaatta ggctcaggat ccagcctggg  
180ctcacctgt gtggctcatt cccaccaggg aaactgaaga taaaagattt gggaaaacac  
240accaagaaaa aggggcagtt ttctttgccc aagcatttgg tgctagttag aggtgttca  
300ctctctcctg ctctctctcg gagtagaaat aaaggctgtg acacaaggaa gccagtggg  
360tgaggaggag gcaccataat cctccctat aaccacacaga agactaacct gat

413

<210> 2869<211> 401<212> DNA<213> Homo sapien

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120ggtcggtggc cctgaagaag cccccacccc agcagggagg caggatcca gttagcagga  
180gaaagcaaag tggatgatag atagcgaagg gtgaggggat gtcagggtgga gggcacagca  
240agtgcaaagg ccctgatatg ggaccaggaa aaggagctgg ggctggggcc aggtggagga  
300agaggcagcc tgcaagagtg ccagatgggc cccagtgggt tgtgtgtgca gaagtgcgct  
360ctgggtccca ggtggagtgg ggcttatagg ggtcaggaac a

401

<210> 2870<211> 414<212> DNA<213> Homo sapien

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60ggtctggggg cactctcag ctgcaccatg tggacgtgtg gcccctcaac ctgctgggc  
120cccggggtgg gcccggctat gtggatgtct gcggcctctt cctgctgcag atggcaacca  
180tcttgggcat ggtgcccgt tggcatagcg cccggctccg gatcttctg tgctggggc  
240ctcgggaggc gcctggggcg gccgaggggc ggctgcgggc actgctgagc caactgagga  
300tccgggctga ggtgcangag gtggtgtggg gcgagggggc cggggctggg gaaccgagg  
360cgaggagga aggggacttt gtgaacagtg ggcgngaga cgcattagga gagt

414

<210> 2871<211> 398<212> DNA<213> Homo sapien

ggcacgaggg ggaacgcaca aaaaatgttt tctccaaaga agcattcggg tagcacaagt  
60gatagaaacc aggaggagag acagtgcatt aagacttcat cactgtttta aaacaacctt  
120gacattccag aactccacag acctgtggtg aagcaggtgc aagaaaaagt gtttacttca  
180gctgcttttc atgagctggg cctccaccca catttaattt ccacaataaa tacggtctta  
240aaaatgtcta gtatgaccag tgttcagaag caaagtattc ctgtgttgct ggaaggcaga  
300gatgctctcg tgagatccca gacgggctca ggtaaaactc ttgcctattg catccctgtg  
360gtccagtcct ttcaagcaat ggagtcaaaa atacaggt

398

<210> 2872<211> 402<212> DNA<213> Homo sapien  
cacgcgagcc gagccaagat gtccaaccga gcgggttgc gatatttttag ccacgccggg  
60agctggtaca cagcctcagg accgcagctg aatgcacatc tagaagggtg gctttcaca  
120ggacaggcta caattagacc tgctagagcc attattgccc cccggagaat tatcatcctt  
180gggccttctc atcatgtgcc cctctctcga tgtgcacttt acagtgtgga tatatatagg  
240acacctctgt atgaccttcg tatcgacctt aagatttacg gagaactgtg gaagacagga  
300atgtttgaac gcatgtctct gccacagat gaagatgaac acagtattga aatgcatttg  
360ccttatacag ctaaagccat ggaaagccat attgatgagt tt  
402

<210> 2873<211> 391<212> DNA<213> Homo sapien  
ggcagcagag gacgtggagc gctgccttcg ggacacgggt gtgcagggcg tcatgagcgc  
60agagggcaat ctgcacaacc ccgcgctgtt cgagggcccg agccctgccg tgtgggagct  
120ggccgaggag tatctggaca tcgtgcggga gcacccctgc cccctgtcct acgtccgggc  
180ccacctcttc aagctgtggc accacacgct gcaggtgcac caggagctgc gagaggagct  
240ggccaagggtg aagaccctgg agggcatcgc tgctgtgagc caggagctga agctgcgggtg  
300tcaggaggag atatccaggc aggagggagc gaagcccacc ggcgacttgc ccttccactg  
360gatctgccag ccctacatcc ggccggggcc c  
391

<210> 2874<211> 382<212> DNA<213> Homo sapien  
ggcagcagcc aagatgtcca accgagtgggt ctgccgagaa gccagtcacg cccgggagctg  
60gtacacagcc tcaggaccgc agctgaatgc acagctagaa ggttggcttt cacaagtaca  
120gtctacaaaa agacctgcta gagccattat tgcccccccg agaattttca tccttgggccc  
180ttctcatcat gtgcccctct ctcgatgtgc actttccagt gtggatatat ataggacacc  
240tctgtatgac cttcgtattg accaaaagat ttacggagaa ctgtggaaga caggaatgtt  
300tgaacgcatg tctctgcaga cagatgaaga tgaacacagt attgaaatgc atttgcctta  
360tacagctaaa gccatggaaa gc  
382

<210> 2875<211> 386<212> DNA<213> Homo sapien  
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60caagcagtac aacaagtttg tcaagccctc cttcgaccag tacatccagc ccaccatgcg  
120cctggcagac atcgtgggtcc ccagagggag cggcaacacg gtggccatcg acctgattgt  
180gcagcacgtg cacagccagc tggaggagcg tgaactcagc gtcagggctg cgctggcctc  
240ggcacaccag tgccaccgcg tgccccggac gctgagcgtc ctgaagagca cgccgcaggt  
300acggggcatg cacaccatca tcagggacaa ggagaccagt cgcgacgagt tcattctcta  
360ctccaagaga ctgatgcggc tgctca  
386

<210> 2876<211> 367<212> DNA<213> Homo sapien  
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60tggtgttagg atgatttcta cttgttattt aacctcacc tgattttacc acaggcttat  
120attgacataa ttttaactta gtgcttctca agggagattg ggggtggagtc aggatgtttg  
180gaattacctt ttggattgta acagactatt ggccaggcaa gctaaaagtt ttgcagtact  
240gatgagctgt agggggaaga attgcttcag ccaaaatgcc actagctccc cttttgaaaa  
300cagtacaagt ttaacttaaa ctaaatctta atgacagtga aagttaattc ccagttatta  
360tctttga  
367

<210> 2877<211> 357<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agagggggat acaactaaag aaagagatac acgatgacct  
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120aagagggtaa gatatatatt tataaacaca cacatacaca tattacataa aatgagaaag  
180tgacatgtct ttcattagtt ttccaagagc agaagggaaa aataatggga aaggaataga  
240caatatttga tgagataata gttgagaatg tttcagagct gataaaaagc accatgacaa  
300atttgagaag ctgagagaaac tgcaagcaga ataacgtaaa gaaaatatgc ttctaag  
357

<210> 2878<211> 376<212> DNA<213> Homo sapien  
ggcagcaggg gctaccaatt tgagaccatt ggtctggtag atacactttc attaataatac  
60ttactccatc actctttcta tattttagaa gttactagta gaaatgtatg caggagtcac

120tggagacctt attaaaatgc agcttctgat tcagtgcgtt ggggtggggc ctgagagtct  
180gcatttctcc caggctccct ggtgctgcca gtggtgctgc tctgagtaac aaggggggtg  
240ggaatgatat ggagccgtcc attattatcc catctgacaa atgagtcaca gagcccttag  
300gtaattgagg tgggatcagt ctgattctgt aagctgtgtt ttcagccaca acatttactg  
360caaacttggg gtaggg

376

&lt;210&gt; 2879&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggctg gtaaaagatta tttaggttcc cctgattttt  
60ctaagcagtt taccaggtgt ttacataagt catggaaaaa tatggatggg acatttcttg  
120aacttcatgt tctgagcagg atagtgcatt cctattgtac ttgacaggat gaagtatctg  
180caagatgtgc cttcaggcag ttaaataact tgacctgctg ttgaaatct tttttatttt  
240ttatttttatt ttattttggg ttattttatt atttttttga gacggagcct cactttgttt  
300cccaggctgg aatgcattgg tacgatctcc gttcacacgc tctgcctcct gggttcacgc  
360cattctc

367

&lt;210&gt; 2880&lt;211&gt; 364&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggagt ggcaaatgtt catgctggct taaatctcgt  
60ttggtactct tactcctctg gtttggattt acaggatcca aaccaaggat ccaagccttt  
120agttgggttaa cagttagttg attagttggc actcattttg tcacatgatt caggatgact  
180gggggaaaaac aggatattgg ggtatatctt taactttttc acttctaaga taatctacag  
240ttttccctacc tctcgctcat accttcccta tccaagatca gaacttcaga ccgtcccat  
300gggaatatga gggctgggta gaaggagag gaactagtta caggtatttc tgaatttcag  
360tttg

364

&lt;210&gt; 2881&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtaa ggtgctggga tatggctgag aacaaaacaa  
60agtccccatc cgcacagagc tgacattcta gaacagaaga tagacaataa acaaggtaca  
120caggcaaaaat acatggatgt tggatgaaga agaatcccat ggagaaaaaa ataaaacaaa  
180gaaggagagt tgctatgaca gtgaggccaa gataattgca ggaaagtagc cctgatacca  
240aggagacaat aaaccactac ttcaggactt ctagtatttt aagacaaata aactggtttt  
300gggttaagtct ctgttaattt gtttttcttt acttacagct gaatgaattc ctgagaccgt  
360gtgtaggaa

369

&lt;210&gt; 2882&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggttgcg agaagacgac agaaggggtcc aggtacaac cctgcacata tatcccagaa  
60tctaaaaataa aatggaaat tataaaaaaa aaagaaatta aattgtgaag aagacaaagt  
120atcaaaaagac cttttctgtt agagtctaac aatgttcaaa tttagcttct tggaaataac  
180tttttaaatag ctaagagcgt caacagaaaa ctgtggacta caggaaaaga actgcttcat  
240attttcccgaa tcttctcaaa cttgggtatct gcatatcaat gactttagat tttattttta  
300tggtgctgtt acttttgcta aggaagtatt atgg

334

&lt;210&gt; 2883&lt;211&gt; 341&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaga cgaaatagta ctcatgagaa aacctacaag  
60gaaatagaca atagaatgag gcagaggttg cagtgcgtg agatcacaca ttgcactcca  
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca  
180gatattcttg agtctttctt ctccctcata tacaggtagt catccagttc ttcaaaatct  
240cggttgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg  
300cattagcccc caccgacctc tatcccacca gcatctgcct g

341

&lt;210&gt; 2884&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactactgct gcgcgaagac aacagaaggg acacagaata agttctatag atctaagtga  
60cagcatggag actacagtta ataatactgt attgtatatt taaaatttgc aaagagtaga  
120tcttaagtgc tctcaccacc aaagaaaggt aactgtgaaa agagatgtaa actctatctg  
180gactagagta acctcagttc actaaggcca ttatgaatat gtatatcaga acatcatgct  
240atacacctca gatacacaca atttcaatta aaaaatttta aaaagaagaa atcagtcctgt  
300gtcacattcc agtgatcttt gtttcataca ttgctttggc tgaaggaagg gg

352

&lt;210&gt; 2885&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggg ggaggatttt tgatttttct actttttgtt  
60gaaaaaagga atttgactc tgtgcattgg atggacttgt ttggtacttg ggattttcct  
120ctcttaaccg tcaacatcag tgttggaat ttgctaaact gattcacttt tagcagcaga  
180ctttgaactg cagtcctgcc aacgttggac actgaggacg cccgacagag cttgtgcacc  
240taagctgcag accaagcctt tgcccagaat ttaaggattc caatggacga cctatttgca  
300cagaactgca tgctgattat cactgccttt actccttttt tttt

344

&lt;210&gt; 2886&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtt aaaaaagaac catggagacg gatgcattaa  
60ctaagcccag gggctctttt tcaatcctca tctcacttga cctgttgggt ccatttaacc  
120agatctcttc cttgaaacgt ttttattttt ttttactttt gcttccaggg ttttgttaca  
180tggtttctgtt acatgtttaa cttctttctg ttggagtgcc ccatgggtca gtccttccac  
240ttctcttttc tgtccacact ctgggtccaa tttcattcag attcattcat gatgtaatat  
300accacctata agctgatttc gacacttaag atcag

335

&lt;210&gt; 2887&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtt ccattcctgg cttgatgggt tccttgagac  
60aacagctggc attcacagta caggtattta gtactggagg gagcacagca gaacttatct  
120ttaataatt gcattttttt ttttgttttg acctgtatgt tggctcccaa aaggaaggga  
180tcaaggggtt tgcctttatt tctcctaatt caaacatac cagggttttc aacattctat  
240caaaaacttt taaaggcaaa tgttaaaatc actccatctc actcaaagga tagcatttag  
300gagaaacaat agaccaatca ataagcttgg gagg

334

&lt;210&gt; 2888&lt;211&gt; 338&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaa taaccagaaa aatatttctt actgttgata  
60atctgcagtt tgcaagtga gcaatcttg taggtagatt taccttgagt ttttttgaaa  
120cggtagaatt aatatattaa aacatatggt ttttagttaa aataggatgt taaaggaata  
180gagcgcacga acaaaaaaac tttccacttg aacctatgtt gtttcacttg acagtgggta  
240tggtgtccct ggcaggatag ggcttccacc tcctgtgtgt gccggtagga cagggaagag  
300gtggggaaca ctgtgtctcc atctcccaag catcttaa

338

&lt;210&gt; 2889&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggga aaaccaacgt gttcggtgac agacccacg  
60gccgactgag cctctaaagc gacttcagct ctgccccacc aacaccaccg cgcgcccggg  
120aacagccgct ccgggaagaa acctgagggg actgccccgg gcacgaggga cagctgaggg  
180aaaggagagg gcgagagaaa cagcgcgagc acgctgaggg ccgggggttg ccaggagagg  
240ggccccgcga cccgcatagc ggaggaaggt ccgggagaaa aggggcggga cggaggagaa  
300tccgggagatg cctggcagaa aaagagaagg gagtttctga atcctgg

347

&lt;210&gt; 2890&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgcccttctt ggccaccatg ctcttcatca tgggctacgc cgtgggctgg  
60gggtcccatca cctggctgct catgtctgag gtcttgcccc tgcgtgcccc tggcgtggcc  
120tcagggtctt gcgtgctggc cagctggctc accgccttcg tcttccaaa gtcttctctg  
180ccagtgggtga gcaccttcgg cctccaggtg ctttcttct tcttcgccc catctgcttg  
240gtgagcctgg tgttcacagg ctgctgtgtg cccgagacca agggacggtc cctggagcag  
300atcgagtcct tcttcgcac ggggagaagg tcttcttgc gctaggtcaa ggtccccgcc  
360tgaggggggc caaacccc

378

&lt;210&gt; 2891&lt;211&gt; 432&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtctttcag taggagattg gtttaataaa ttatggtaca tttccttcaa  
60tgactgtgca gtctcagaa gagattaggc tgatctttac caattgacgt gaaaagatga  
120tgatattaag tgaaaaaaaa acaggttgcg ggtgggcat ggtggcttat gcctataatc  
180ctaacacttt gggaggccaa ggtaggagga tcgcttgagc ctaggagttt gaggctatcc  
240tgggtaacaa agtgagaccc atctctacaa aaaaaatcaa gaaattatct ggtgtggtg

300gcacatgggtc ccagctacac tggaggtga ggcgggagaa tcacttgagc ccaggaggtg  
360gagtctccag tgattcatgt ttgtgttatt gcactccagc ctgagcaaca cagttagacc  
420ctgtcttaaa aa

432

<210> 2892<211> 434<212> DNA<213> Homo sapien

annncaattc ggcacgagga gagaactagt ctcgagagca gnnnnntttt tttttttttt  
60tttttttttac aaaatgcccc ctggggccca aggggcaaaa atttaccttt gcttaggggt  
120tttttttttt taaaaaacca accggtttta ataccctcc tttaccctt ggaaccattg  
180gggggaaaaa aacccttttg gaaaaacca tttttcaaag gaaggtttcc cggggggggt  
240tttaataaaa atattgttg gaaaaaac aaagccct ttgatttaa aaagggataa  
300agggaggggc cctgaaaaac cccccctt tttttttt tttggggggg ataaaacct  
360aaaagaaaaa gggtttttcg cccttaaaaa agaaaaattt gcccccaaa aataaccccc  
420cttaaaaaaa tttt

434

<210> 2893<211> 425<212> DNA<213> Homo sapien

ggcacgagga gagaactagt ctcgagagca gttttgttca tctctcttt ttgtccttta  
60tctctctgcc actgttctca cctcatccta aaacctgggc aggagggtt gaaacctatc  
120agaactaaag gttaatatct catctccctc aggtttttt catttaaaaa aaaatgggt  
180atattagtta aattaaaaa ctgtgtgtaa aattattgtc aaaggggaag ggaaatacat  
240ctaggggaaa catcatgtct tttaggcct ttatgtcact gaatgactta aggtctcgaca  
300aatgatattc ttggaagtt taatcttgag gttttcaaat cttttttt aatggctccc  
360atgtttctca tttgctgatt gattcattag ttgtcttaa gaagatttcg cagttggaaa  
420taatg

425

<210> 2894<211> 403<212> DNA<213> Homo sapien

ggcacgagac cattcttgcc tcagcctcaa tccccattct tgcttcagcc ctagcatcaa  
60cttcagctcc aacgccagcc ccagcagcct ctccccagc tgccccagtc atcacagcac  
120caactatccc agcctcagcc ccaactgcct cagtcacct tgccccagtc tcagcttcag  
180ccccagcccc agccccctacc ccagctctcag ccccaaatcc tgccccacct gccccagccc  
240agactcaggc acagaccac aaaccagtc agaatccact acagactaca tctcagctt  
300caaaacaacc accaccatca attaggtgc cttcagctca aacacctaat ggacagatt  
360atgtagcctc aggaaaatcc atccagacc cacagtcaca tgg

403

<210> 2895<211> 387<212> DNA<213> Homo sapien

ggcacgagag aggaagcagc ggcagggcga ggacctggcc catgtccagc acccgacagg  
60cgctgggct cagccccagg aggaagacag ccaggaggaa gaagaggagg atgaggaggc  
120tgctcaagg tactatgttc ccagctcaga ggaagtgatg aacacaaact actcagaagc  
180aaggggagag gagcagaacc cgagggtgag catctctctc ccgtcctatg agtactgac  
240ggggctcgac gagaccacc ccacatccac cagggtgac gtggaggcca gccctgggaa  
300ccccctgac aggcagaact ctaagttggc caaacgactg aaaccactga aagttcgaag  
360gattaaatct gaaaagcttc acctcan

387

<210> 2896<211> 405<212> DNA<213> Homo sapien

cgttgctgtc gctcgtaaat gtcataaaat tttttaacat ttgcatcag gactcaataa  
60aagccccagca tcataattga ctgaaatgtc tttttaactt cttttcatct ataagttctc  
120cttctatacc ttttattatc attataatta ttattactag gtcattcacc ctgtagattt  
180tccacagtca ggattttcct gattgtatca ccacggttgt aggattctag aggttgaac  
240atattaacat tcaatagttg agggagatgc aaaaccactc tctagggtgt gacgttatcc  
300catcaggaag cacataatgt ccaattggct atttagtggt attagcagct acttatacat  
360aatagatcca gtaaatcatg agagactggc tngtatggt agctn

405

<210> 2897<211> 419<212> DNA<213> Homo sapien

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60gggtgggttaa accagctatc ttttaagaa gagaaaaaac aaaacacagc aatgccctgt  
120ctcttcagaa aattgtttta aaaagtttag caggcatagt tagtggccca cgctgtagt  
180ccgagctgtc tgggagggtt aggtgggaag attggttgag cccaagattt tgaggctgca

240gtaagccata attgtaccac tgcactccag cctgagcgac agagaacaag accctgtctc  
300ataaataaag tgggggaagg ggtgcaaaat tacactgtga gaagccaaga agtttcaaag  
360ttctatttat ttttctaagt cattcttaat cattatttgg tgtttcagtg tttgaattt  
419

<210> 2898<211> 387<212> DNA<213> Homo sapien

tctacggctg cgagaagacg acagaagggg aaaaatctct ggtcatctcc gagaattaac  
60ttgcaactgt tttctatagt gctgtcgtct tgggcaatgg gcaattacat gactttgtgt  
120ttgcttcttt tgcagtcttt tttttttccc cccatttttt cctaatagga aaaaaaaaaa  
180aaaaggcccc ccctgggtggg gcctatttct ggtggcggga aactttgaag tcccaaaaat  
240ttggaggggg gggttttttta cccttggggg cggggggggc cggtttctaa tttttaattt  
300tttttaaaaat ccgggctaac ctccggggga aaaaaactgg aaaccgcttt tattaaacct  
360ttctttataa aaaatttttt ttttatg  
387

<210> 2899<211> 411<212> DNA<213> Homo sapien

cggtgctgtc ggccacgaac acagccttgg gcccttgggtg atgcgcgccg ctcttgagtc  
60ggtcagatgc caaacgcaaa aaaaagcctt ctctctataa gacacggaaa tgcaccgagt  
120ccggctctga ctacccccca aatccttacg gtccccaac tcggcagcca aaatcgaaaa  
180ctactctcgt ctacagcgccc ccgctgttga ttacctgcca tccgcacgg gcgcctgcgc  
240cccggccgggt gtccgcgact tcggacggca tcccagact acccttctca aggcctgatg  
300accagtcgga gctgccatga tagactctcc gaagccggtc gtgacctccc ggaccagccc  
360tgcagcaccg acctctctg gtccggcccg gagcccggt ccggtctctt n  
411

<210> 2900<211> 407<212> DNA<213> Homo sapien

ggcagagaa ggccgtgggg ctggagcatg tgggtgcctg ctggggagcc tgggtcaggg  
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120tgcgggcaga ggggtggccag gggcccatgg gagcatttgc aggtgagctc cctggggagg  
180gttactgtgg gcgtggacga ggctgcctgg gcgtgtggct cagggccggg cctgggtagg  
240tggctgctgc aggggtggctg atgacagaca ggtcttgggg agggaggacc gggactcggg  
300atgagcctgc gtctggctgg gtgggtgcctg ctcttgttt tgtggggga gactgaagg  
360gagctgaggc ttggcgga acgggccttg tccagtggg cattttt  
407

<210> 2901<211> 401<212> DNA<213> Homo sapien

ggcagagca cagtgccctt ggaggtgttc agcttatccc aggtgctga cctggctaac  
60aagggcccgga agtgggagaa gagccatgcc gaaattgcag aacaggccaa gcatgaggcc  
120gagatcgaga ctcggttgc tgagctgcgg aaggagggtt tctggctact gaagaggctg  
180cctaaggtgc cagagcccc tcgccccaaa ggtcactggg actatttgtg cgaagagatg  
240cagtggctct ctgctgactt tgctcaggag cgccgttggg aacgggggtg ggcccgaag  
300gtgggtgcga tgggtgatccg gcaccagag gagcagcggc agaaagagga acggggcccg  
360agggaggagc aggccaagct gcgtgaatt gcttcacca t  
401

<210> 2902<211> 375<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta  
60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc  
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcagagc  
180caccatgccc agtctcattt ctgttttatc tagaacatgt tttcatcaca ctgacttttt  
240tgagaagtcc aggccaattt taaatttcat tttgtcttt tatcagtggg aaagtagcat  
300atttatgttg cagacaaaag atgaatcana taggaagaan atgtaaaaca catttggggc  
360cgggcacagt ggctn  
375

<210> 2903<211> 350<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggat ctgtcttttg aaacacataa acatgtacat  
60acataaacat acaattgtct ttcaacggtt tatggaatat cttatagcaa attaaagatg  
120agtatgtttg tcattcaatt atgaaagatg ttgatataaa taaatttatt catatatttc  
180aaaaagtatg tagggcttcc agtcaaggta aagaaacaga gaccacattt actgtcttcc  
240ctataataga aaaaaccag aaaatttatg aaatgactgt ttttttagac attggacaac  
300aaagaacagt gacctctgag acacaggata caagatgagc cctaaaagtg

350

&lt;210&gt; 2904&lt;211&gt; 369&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggcaga catacgggca cgcaccacca tgcccagcta  
60atttttaaat ttttagtaga tctgcggtct cactatgttg cccaggctgg tcacaaactc  
120ctggcctcaa gtgattctcc ttccttggcc tcccaaggca ctgggattcc aggcattgagc  
180caccatgctc agtctcattt ctgttttatt tagaacatgt ttccatcaca ctgacttttt  
240tgagaagtcc aggccaatat taaatttcat ttgtctttt tatcagtggg aaagtagcat  
300atttatgttg cagcacaag atgaatcaaa taggaagaaa atgtaaaaca catttggggc  
360cgggcacag

369

&lt;210&gt; 2905&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtag cacactgaat tatggggtgt gtgtttgtgt  
60gtgtgtgtgt gtgtgagaat tctaagctac ctgtgattc tcataattag ctagggtttg  
120aaactcttgt gtgatatggg ttttattttg tattttttgc tttatgtaaa acgtcaatgg  
180tttgctgact ctttaattctt acaattattt tacatttgaa cttgcctct agcccatat  
240atttaagtac ttgaaataca catgaataaa tttagttgac cattaacagg agtgggtgcc  
300aacatttctt aacctactgt gttattttta tctattttga gagatggggt cctgctctgg  
360tgcccacgct gg

372

&lt;210&gt; 2906&lt;211&gt; 363&lt;212&gt; DNA&lt;213&gt; Homo sapien

actacggctg cgagaagacg acagaaggga ttctcaattg caaatggttg aatatccaac  
60tccagatggc ttccttaagc aacaaaagga gtttcttagt ttgagcagag gttgatccag  
120tgagtcaata atgtcaccaa gaaatgtgtg tgtgtgcgtg tgtgtgtgtg tgtgtgtgta  
180tgtgtgtttc catgtgtctt ttgtgccatc tatatcagtt tcacctatt gttggagagt  
240gactcatgct cacatgatgg gtggcaacaa ttacagagnt aatgtttttc tcatatacat  
300ttaaaatttg acaaagagac aaagagatat ctttgtctta tctcagcctt ttaattcgca  
360ccg

363

&lt;210&gt; 2907&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gcataaattt ttgttttttt cactgatgga tctcaatgct tagaacagtg  
60tctggtgcat agtagaagct caataaatgt ttgttgaaatg aatgaacaaa tgaaagaggt  
120ggctgggggt atgctgtttt atataagggtg gatcaaggaa gggctctctg ataagagaat  
180gtttaagcag agatggaatg aagtgagggc cagaatcttg ctcatatctg gggaaagcat  
240ctctgggcac aggaagagcc agtgtaagg ccctgagcca ggaacatgct tggctccttg  
300aggaacacca catctgcttg tgactgaagt ccagtgaag taggaaagag gagatgggga  
360gtgaaaacag catag

375

&lt;210&gt; 2908&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcca cgtggaactg taagtctatt aaacctctct  
60ttatttttga aattgcccag cctgttatgt ctttatcagc agcttaagaa tggattaata  
120cacccccaaa agaccaatca gaggcattat ttctcccaa acttaaagtc ttaactgctt  
180ccccgagttg ctgattatat aattattgaa aaataaaata taaagatgca gcaatacatt  
240tgcaatattt atatttctat tatcataatt cccagagtgg ttttttagac ctatctctaa  
300gtatatatag attcaatacc aattcaatga gttctctaac ccagagatct ttgatttatt  
360ttctatgggt aggc

374

&lt;210&gt; 2909&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtca ctggataaat ttattgaatc tattcagtca  
60attcctgagg ctttaaaagc tgggaagaaa gtgaaactat ctcatgaaga agttatgag  
120aaaatcgggtg aactctttgc tctaaggcac cgtataaact tgagttcaga cttcctgatt  
180actcctgatt tctactggga cagagaaaac ctggaaggac ttacgataa aacgtgtcaa  
240ttccttagca ttggccgaag agttaaggct atgaatgaaa aacttcagca ctgcatggaa  
300ctaacagatc taatgcggaa tcacctgaat gagaagaggg cactccgctt gg

352

&lt;210&gt; 2910&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggat cagcctgggc aacatagtga taccctatct

60cttaaaaaag aagaagtttt taaatttgaa ataataatag gtactggatt tatgcaaag  
120tcttttctgc gtcttttgag atgagtatca ggtttttttt ttttcctttt atcatcggag  
180gaggaactta aggttcccat ttgtattaag ggaaaactaa gcccctctgt gatttctgaa  
240ccaagctatt cctaggcctg agttttattt tgttgaccca aaaataaatt aaaaggccaa  
300ccgtgggggc atgtccctgt agccctagtt gctgaggaaa

340

&lt;210&gt; 2911&lt;211&gt; 339&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta ctttttatat caagtacttt gtatttagtc  
60cttagcttgg gaggcaagta ttgcaactc actgtacctt tgatgataaa agtagctaac  
120gttgattgag tgctctctat gtcctgggccc ctgttctaag aactttgatg catccttatt  
180tagtgcttaa aataaaccta agagggctaa gtactattat gatttccatt ttacacgaaa  
240ggaaactgat ctgccaggtc acatacctag taagggattg ttctgggctg aagaaaaagg  
300atgcatggag gggagtatct tgcccaaggt cacgttatg

339

&lt;210&gt; 2912&lt;211&gt; 334&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatg tgacatggac tcatgcaaag agcagaatct  
60tattcaaaagt tgagcattcc cgtttatgaa ttttatccag atactctaag ttgtcaatgt  
120gaaccttggg cagtaatctt cagcaggac agtattattg cttttcatgt aaaacctcaa  
180ttattaatag ttttaaatga caatttttct ttagtatatc taaaaatatt ttgttcaaat  
240ataatcaagt ggaaaatatt ggacagaaat gagtcatcca caaaaagtat cattgaaact  
300aggggaatta gagctttgaa tataaacttt ctan

334

&lt;210&gt; 2913&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaaa caacttaaag acgaaataaa gaaaaaagat  
60gaaaagatcc aactattaga acttcagctt gcaactcagc atatctgccca caaaaaatgt  
120aaagaggaaa aatgcactta tgctgataaa tatacccaaa caccctggag acgaattcct  
180gggtgggtatt ctgtccctc cttctctcct tggcagggt ccttccaggg gatccacgg  
240actgttccac cgcaccgcag acagacctca agtactacag ccttccagca gccttccag  
300acccacagat cacaccaggg gaaaactaat aaagccacaa cgtt

344

&lt;210&gt; 2914&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggat tctgtaactt ctgcgttttt tcatctgctt  
60gatcaaggca ttttggatgt actgctaag gaatatggca ctgttttacg gtttatgtgg  
120cttctgttct tgccacagtt gttgcacagt ggtaattgat gttttctctg gtgccacact  
180ttttaataat ctattggaag ctcatccctc ccccccatc ataaccatat tcagcaccca  
240ttttaaatct acttttcttc cttatttgtg ctacagaggt tgatggcgta aattttccta  
300cttgggaagaa attactttat cagttaat t cagggtt

337

&lt;210&gt; 2915&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc tttccgagcc cgcttgacc tcggcgatcc  
60ccgactccct tctttatggc gtgcgtcctg tgctgtgggc cgaagctggc cgcctgcggc  
120atcgctctca gcgcctgggg agtgatcatg ttgtaatcca cccaccgcca cttcaagaag  
180aaatgatatg aagaagtgcc ggttctccct cccctcttcc gactgtccc gtgatgatga  
240cgctccaga gaggacgata atctgggttc ctgggagaga tggcttgggc actattccca  
300cccttgctc gaccacttgt ctcaatgtca ccacctcag cc

342

&lt;210&gt; 2916&lt;211&gt; 390&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc aatctgggat ggtgaatttt atgtatccac ttgactgggc caggggctac  
60ccagagattt agtcaaata gatactggga gtttcagtga gaatgtttct aaatgagatt  
120gacattggaa ttggtagact ggggaaagca gatggccctc cctaataatgg ggggtggggg  
180gtgggtggcg cttcatccaa ccaggggaag gcctgaatag aacaaaaagg ctgagtaaga  
240gagagtccct tctgctgac agcctttgag ctgagacact gctttttggg ctgagctgaa  
300acattggctc cttctgggtt tcagagcctg ccagtcttca gactggagct acaccacagc  
360tctctgggt ctcaggcttg tagactgcc

390

&lt;210&gt; 2917&lt;211&gt; 367&lt;212&gt; DNA&lt;213&gt; Homo sapien



tacggctgcg agaagacgac agaaggggta gtcagaaaag ggtcattgtt tttgcattgt  
60tgtaaattctt tttaatggct cgcttaataag aacatagcta gattctcatt tacttctctt  
120ttcagctctgt aaaactatta catgtcatga agcctctaga aaactcagct cagcggggcg  
180cgggtggctca ggcctgtaat cccagcactt tgggaggccg aggcgggtgg atcacgaagt  
240caggagatcg agaccatccc agctaacaat ggtgaaacct tgtctctact aaaaatacaa  
300aaaattatcc gggcatgttg gtacacgcct atagtcccag ctgctcggga ggctgaggca  
360gaagaat

367

<210> 2918<211> 412<212> DNA<213> Homo sapien  
cggttgctgtc ggccacgaac acagccttgg gcccaagtgt gatgcgcgcc gctcttgagt  
60ccctcagatg ccaaacgcaa aaaaaagcct tctcctctaa agacacggaa atgcaccgag  
120tcgggctctg cctcaccccc aaatccttcc ggtcccccac ctcggcagcc aaaatcgaaa  
180actactctcg tctcagcgcc cccgctgttg attacctgcc attccgcacg ggcgctcg  
240ccccggccgc tgtcggcgac ttcggacggc atcccagacg tacccttctc aaggccgtat  
300gaccagtcgg agctgccatg atagactctc cgaagccggg cgtcacctcc cggaccagcc  
360ctgcagcacc gccctcctct ggtcggggccc ggagcccggc tccggtctct tc

412

<210> 2919<211> 394<212> DNA<213> Homo sapien  
ggcagcaggt gagacaccgt ctcaaaaatt aacataaaca aaacaggtca aaaatcagtt  
60gcacaagttg tatgaaacca ggtattctgc agctctgtct cttgtttatt aagatatgca  
120cagtttctga atcaacaaat atatctgtga ttcttttata ctactacata aaagaacagg  
180agtaattctt gccttataaa ttaaatgtca aacatttctt atatgtaatc atttgttctt  
240aaaatatgat ttagtcccag catgcttctc cctgttttct ctttttctct ccagctccta  
300tctagttctt caacaaatcc tgtcaactct accttccaaa tgctcttga atccagccat  
360ctcaccacct ccaacactac caccattttt cttg

394

<210> 2920<211> 448<212> DNA<213> Homo sapien  
gcaggatccc atcgattcgg gctgggtgaga cagcatcccc tctaagaaa atgtatgtgc  
60tcagacaggt aaccactgct gctactgttt ttatttgttt gtttgttcaa tttatttaa  
120gatttgtttt tgttgacta ggattttaaa aaatgtaata tattgcagga tttataacca  
180ggttactga ctgcttgctt gctttctttt tttttttttt tttctccaa aaaaaacaa  
240accaaggttt tttttaaaaa acttttagcc ccttttgac ctggattttg gaaagggtcc  
300aaaaggggac aaaaatctgc tgtggaaatt tttttttt ccgggttaaa ttgaaagggt  
360ttttattttt gtttggaaatt ttggggggga tttttatttc tttttccca agcccttttt  
420gccatcctgg ttgggggggg gggccaac

448

<210> 2921<211> 347<212> DNA<213> Homo sapien  
tacggctgct tgaagacgac agaaggggaa ctcagcatag cggacttttt tgtgcaacta  
60agcattgatg ccctgggagc tcttgagct gtactgacag cattggctgt ccccatctgg  
120cttttctcat ttcttaagta gttatgtggg ctccaggagg cagncactgc tctgtccgta  
180ttgtcagtat ccttgatggg cctctttatg gtttgacact ggaagacct gcaactgttc  
240acttgggcct ttttgaaatg ctaagaggct tggatacctt ttttagatgt accaggaaaa  
300gaaatagtct atgccttgca gtaactctt aattctacca gtggggn

347

<210> 2922<211> 402<212> DNA<213> Homo sapien  
cggttgctgtc ggggttcccc accccgatcc caacgcctgg gcctctcctt ctctgtccc  
60cagggtcccc gtgcaggtg ccctggccg gagatgcggg aggaggggag agcgcgagaa  
120gcccccttct cggcgtgccc aaccggccac ccagcccatg gcgaaccccg ggctggggct  
180gcttctggcg ctgggcctgc cgcttctgct ggcccgtgg ggccgagcct gggggcaaat  
240acagaccact tctgcaaatg agaatagcac tgttttgctt tcatccacca gtcacagctc  
300cgatggcaac ctgctccag aagccatcac tgctatcac gtgggcttct cctcttggc  
360tgcttgctc ctggctgtgg ggctggcact gttggtgcgg an

402

<210> 2923<211> 371<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaaggggta tctactgagg cccctcctc agggagctag  
60atttctcag ggtgcctgtg gagagatgaa ggcactggct gtggagcctg atgggcctgg

120gttccagtc tggcctcacc acttttgagct gtgtgatctc gggcaacacc ctgaagctct  
180tgatccct gttctctctg ggcggggaca ttgtctgcct cacagggcaa ttgtgagggg  
240tgaaggagat gttacgggcg gttgtaagca gcgggttaca aagctgctcc tctcccata  
300cagggggtga gcttcattca ttcattcttc ttatgtcagt ggcctccagt gggaccccc  
360atgccaaaggc c

371

&lt;210&gt; 2924&lt;211&gt; 350&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggggc cgctgccttc ctggagcagg acagtcaggg  
60agctcactgc tttctggagg aggaatgtag gtgagaccgg gacaggaagg ggtatgggtg  
120cccacaaccg gctgatgtga aggagtccca cttaggatc caggaacagt gggaaatagca  
180ctgctggggg ccaagagggg cacttgctcc atgggcccac gcagtctaga cacctggggg  
240gatgagggag cctcccctgg tgcaggaga gccctggggg cccccacaca cagtgagggg  
300aggggaaaaac ccacagcact tgcctcaagg ctgcaggttt tgaagacctt

350

&lt;210&gt; 2925&lt;211&gt; 347&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggag ggcgccggag agatggcggg gttggacatc  
60gggcagcact gccaggtgga gcattgccgg cagcgagatt ttcttccatt tgtgtgtgat  
120gattgttcag gaatattttg ccttgaacac agaagcaggg agtctcatgg ttgtcctgag  
180gtgactgtaa tcaatgagag actgaagaca gatcaacata catcttacc atgctcttgc  
240aaagactgtg ctgagagaga acttgtggca gttatatgtc cttattgtga gaagaatttt  
300tgcctgagac accgtcatca gtcagatcat gagtgtgaaa aactggg

347

&lt;210&gt; 2926&lt;211&gt; 345&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggaga caaaatagta ctcatgataa aacctacaag  
60gaaatagaca atagaatgag gcagaggttg cagtgaactg agatcacaca ttgactcca  
120gcctgggtaa gaagatctca aaaaaagaaa gtgtcatcat ctactagatt ggaaatatca  
180gatattcttg agtctttctt ctccctcata tcagttagt catccagttc ttcaaaatct  
240cggtgaaatg tggcttcccc tccagccagt ctactgccta tcagtactta cctgtctgtg  
300cattagcccc caccgacctc tatccacca gcattccct gtggc

345

&lt;210&gt; 2927&lt;211&gt; 346&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaagggg cacaagacgg gatggcaagg gctttcagac  
60gcattttcaa gattccagca agccaggggg aagatgatcc ctttgccgaa gcgtacctc  
120tagccaactt ttgggagcgc ttctgtttgc aaagcgtgg ggatgtgcct gtctctgtgt  
180gaccacagaa cgggaagggg gagcactgga gtaatgacac ttctgtgct gctttgattc  
240tcaaggctga tctttaaaac cctgccttg ctgacaagtg ctttaaaggc agtctgcac  
300ttttcttccc ttggtgtggg agaggtaaac actttgattt gctgan

346

&lt;210&gt; 2928&lt;211&gt; 341&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggctt gcctattttt aatattatta aagcctttct  
60ccttcagtag tctattttct tagaataaca actcttttat ctattctgaa ctctattttt  
120tttctttttt aagagacaag gttttgctct gttgccagc ttggactcga actttcctgg  
180gtcgaagcga cctcctgcc tcagcccccc aagtagctgg gactaaagt atgtgccacc  
240acacccagct tactctgaac ttttatgaca gatgattgtt ttttgtttt aatgtagaaa  
300tgagacaagg gtacaaattg gaactaaaaa ttgacattgt g

341

&lt;210&gt; 2929&lt;211&gt; 343&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc  
60atttccaaga gaccagcaag ccagggggaa gacgatccct ttgccgaagt gcactctcta  
120gccaactttt gggagcgttt atgcttgcaa agcgtgggg atgagcctag ctctgtgtga  
180cccacgaacg ggaaggcaga gcaactgaga actgacgctt ctgctgctgc tttgattctc  
240aaggctgac tttaaaacc tcgccttgc gacaggtgct gtaaggcag gctgcatgtt  
300ttcttccctt ggtgtgggag aggtaaacac ttagatctgc tgg

343

&lt;210&gt; 2930&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggca caagacggga tggcaagggc tttcagacgc

60attttccaaga gtccagcaag ccaggggggaa gatgatccct ttgccgaagt gtaccctcta  
120gccaaactttt gggagcgctt ctgtttgcaa agcgctgggg atgtgcctgt ctctgtgtga  
180cccacgaacg ggaagggaga gcaactggagt aatgacactt ctgctgctgc tttgattctc  
240aaggctgac tttaaaaccc tcgccttgct gacaggtgct ttaaaggcag tctgcatctt  
300ttcttccctt ggtgtgggag aggtaaacac tttgatttgc tg

342

&lt;210&gt; 2931&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcgtgtgag tgtgtgttcg cgctcgtgcg tgtgtatgtg tgcgtggggg  
60gggagagaat gcacaaacac tcgaggtggt ttgtatat ttgactggtgaa tttcatagtt  
120gttttttctgg ggttacttag aatttgagag tccgcgagaa gcattaagaa gaacattact  
180gataaaaaag gaggggtggg aagcccctac acttctcccc gaggggtatcc ccgctgcagg  
240cttctttata tgtttggatt cccagacct ctgttttga ggcgtgatat aaattcacc  
300tctcatacat ttaaaaatat cggttgaaca cctgctatat tctaggcacc gacgagacag  
360cagtgagcag acgagaatgc ctgctctcct ggagccacaa

400

&lt;210&gt; 2932&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag gattcaaacg aggcacagtg gtgtacactt aaagtcccag ctactagga  
60ggctgaggca ggaggattgc ttgagcccag gagttcaagg ccagcctgag caacatagtg  
120agactccatc tctaaaaaaa aataaaaaata aaaataaata aaaaatacaa ctaatggaaa  
180gggcaagaaa aaaaaagaaa aaaaattaaa agtgattcgg agcagtattc ctgcaaaaag  
240ctcccggcgc atgtatat ttacagaaaata tgtacatgca gcaggcccaa aggccaccaa  
300agggcaaaag gcttctgtaa cagttcaagc ctctggctga cccagggact ggctgcttca  
360cacttgcccc catggctcca aaggggtagg agacaggttc ctcacaccg gaggcaa

417

&lt;210&gt; 2933&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gattcagtat aggccatgct cccctttatt aagatgcaat tttcagaata  
60ttagactgg cttagatgaa atttgatcaa tttatttagt tgctcttctg cgtttgctaa  
120aagtgcagtg gtgggtggca tcacacagtg gtcggagtca gaactggctt ttgataccag  
180tagttgacct ttgacaagta tttagtctt ttaattgtag ttacctact ggaaattaag  
240gagaaaataa caataacctt tttcatagca ttgttgggta gattaaatga aataagtaag  
300atgcctaata tgatacttag cacagagtga acacttggt aatagttatt gttagctaaa  
360aggcgtagtt tccttgatgc ccaaatggaa gattccattt cagn

404

&lt;210&gt; 2934&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gttcaaactt tccaacggaa cttgtttgct ctttgatttg gtttaaacct  
60gagctgggtg tggagcctgg gaaaggtgga agagagagag gtcctgaggg cccaggggt  
120gcgggctggc gaaggaaatg gtcacacccc ccgccaccc caggcgagga tcttgggtgac  
180atgctcctct ccttggctcc ggggagaagg gcttgggggtg acctgaaggg aaccatcctg  
240gtgccccaca tcctctcctc cgggacagtc accgaaaaca cagggtccaa agtctacctg  
300gtgcctgaga gccagggcc cttcctccgt ttttaagggg aagcaacatt tggaggggat  
360ggatgggctg gtcagctggt ctcccttttc

389

&lt;210&gt; 2935&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gttccccag gggcccctga gttcagtcct gtccgtctcc agcagacgcc  
60ggcttccccg ggggtggagg ctccccctgag ttcagtcctg tctgtctcca gcagacgccg  
120gtcctctggg ggcgggaggc tccgggctc cccagaggtg tttccattct gctcccatgt  
180ggcctcttca ttttgtcgtt gtccctctct catatacact ctctttcatt tttaaacct  
240aattactgta gacaaattta aaatacaaaa atgttaaaaa gcagcaagaa caatcttaat  
300ctttttttt ttttgaaacc gccctgctt gccccccg tttggaggcca ggggggcatc  
360cccgtttcat tgaggcctca acctctgggg ttcaagcag

399

&lt;210&gt; 2936&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag cgaccggtta tcctctttt ccccttgcc tggctcctgt ggtggcaggc  
60tgggcacgag gaccatgctg ggccggagcc tccgagaagt ttctgcggca ctgaaacaag  
120gccaaattac accaacagag ctctgtcaaa aatgtctctc tcttatcaag aagaccaagt  
180ttctaaatgc ctacattact gtgtcagaag aggtggcctt aaaacaagct gaagaatcag

240aaaagagata taagaatgga cagtcacttg gggatttaga tggaaattcct attgcagtaa  
300aagacaattt cagcacttct ggcattgaga caacatgtgc atcaaatatg ctgaaagggt  
360atataccacc ttataatgct acagtagttc agaagttggt gga

403

&lt;210&gt; 2937&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggtg ggaggctgag ggaggagaat cgctcgagcc  
60caggagggtg aggcctgcagt gagctgtgat catgctactg cactccccgcc tgagtgcag  
120tgagaccttg tctctaagta aataaatggt ctgagatttt ttctctatat tccaatggat  
180catcttatgc atccccagag gtgcatacac acactctttc aagaccaatg atctatataa  
240attatacgat ctctttatta ttataagaga agggctctcac tatgtgtgcc aggcctggatt  
300caaactccta ggcttaagtg atcctcctgc ctcagcttcc caagtagctg ggactacagg  
360cacacactac cactcccg

379

&lt;210&gt; 2938&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga acaaaaaaca aattggcctc tgggttgac aaaggtgggg gaggccagag  
60gagctctgca aaagctttga aaactaaatt gatcttagaa ccagagccct gctggccaca  
120gaaagtgcct cctgaatcta aacagggtga gtgcctgcta atacagaata tttaaacagg  
180aactacagtc tcataacata acactcaaag tgtccaggat aaaattaaaa ctactcctc  
240atactaagaa ccagaaaaat tcgaatccag aaaaattact ctcatacta aaaaccagaa  
300aaaatctgaa tgaggaaaga caattaacac taagatgaca aaaatgttgg aattattgca  
360tagggatttt agatgagcta tcttatan

388

&lt;210&gt; 2939&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc  
60cagagtaatg aggcataata gtgcttgtt atagaattgc ttgtttcaca atacatcatg  
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc acaatagta  
180atgctcgtct tccagggggg ttcagtctaa ggtaatctct accaggaaga aaagctagat  
240gaccttagac atgtgcattg gtttggacct tctaattagt tgaattttta cttattttga  
300catgagagat tacatagaat ctctatgttg cccagggttg tctccaaatc tgctcaaaca  
360atcctccccg ctca

374

&lt;210&gt; 2940&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga ccacacaggc cgaatccggg tgcattggtat tggcgggggc cacaagcaac  
60gttatcgaaat gattgacttt ctgcgtttcc ggcctgagga gaccaagtca ggacctttg  
120aggagaagggt tatccaagtc cgctatgac cctgtaggtc agcagacata gctctggtg  
180ctgggggag cgggaaacgc tggatcatcg ccacagaaaa catgcaggct ggagatacaa  
240tcttgaactc taaccacata ggccgaatgg cagttgtctg tcgggaaggg gatgctcatc  
300ctcttggggc tctgcctgtg gggacctca tcaacaacgt ggaaagttag ccaggccggg  
360gtgccaata tatccgag

378

&lt;210&gt; 2941&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc atcaactatg gtggacatgt tacagatgac tgggaccggc gcctgctgac  
60cacctacatc aatgattatt tctgtgacca gtctctatca actcccttcc accggttgc  
120agcactggag acttatttca tccccagga tggcagcctc gcttcttaca aggaatacat  
180cagcttattg cctggcatgg acccccttga ggcctttggc cagcacccca atgctgatgt  
240ggcctctcag atcactgagg cacaaccct ctttgatact ttgctttcct tgcaacctca  
300gattacacc accagggctg gaggccagac ccgggaagag aaggtccttg agttggccgc  
360tgatgtgaag cagaagatcc ctgaaat

387

&lt;210&gt; 2942&lt;211&gt; 465&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gggcatggta gcagggtgtc gtatatccag ttaggaggct gaggcaagag  
60aatctcttga acctgagagg cggagggtgc agtgagccaa gatcgcgcca ttgactcca  
120gcctggggga caagagttag acttagcttc aaaaaaaaaa aagaaaaaaaaa aattcgggga  
180tttggtaaat atccccat tttgttaacc ccaaggccct taaaaataac ccggaactta  
240agggactggg aattttgggt taaaggggcc ctccggggaa ggggggggaa cactgacttt  
300ttgacctct ttgaaaagat aaaaggaccg gggccctggg gggaaaccct tgtgaaaagg

360ctcgggaatt cagaatggcc taaaaaacct cccccacac cggcaaaaaa naaaaaaaaa  
420aaaaaaaaa aaaaaaaaaa annnaaaaaa aagggccgtt gttgc

465

<210> 2943<211> 442<212> DNA<213> Homo sapien

caccggcttg ctcgtttggc cgatgcggcc tacgggtgtg agaatacgac agaaggggga  
60cacaaatgtt aaaattagca aagacattaa gatagcttta tgactgtatt ctagatgttt  
120taataagtca aatagagcca tagaagaaat ttaaaagact caaactaatt cctagagatg  
180gaaactacaa tgtctgctgt gaaaaatata ctggatggga ctagtggttag attcgccatg  
240ataggagaag tagattagt aacttcatga cacagcaata aaaacatcat gatggagcag  
300aaaaaaaaat caaacctttg aaaagagctt cattgagctg tgggacaatg tcaactagca  
360taaaaaaaat tttgagaaat aatagctaga aatatctgaa ttgatgaaac tataaaaccg  
420agatcaaagn gtgaaacaag cg

442

<210> 2944<211> 468<212> DNA<213> Homo sapien

ccttaaggcc ctggcccccg ctgcgtccgc atcactctgc atcagcactg ccggcccagt  
60gacaccgagt tccacccccat cggcttccat atcttccagg tcccagaggg tggaaggagc  
120caggacgcac cccactgct gctgcaggag ccgctgctga gctgcgtgcc acatcgctac  
180gcccaggagg tgagccggct ctgcctcctg cctgcaggca cctacaaggt tgtgccctcc  
240acctacctgc cggacacaga gggggccttc acagtacca tcgcaaccag gattgacagg  
300ccatccattc acagccagga gatgctgggc cagtccctcc aagaggctct cgtcatggca  
360gtgatgaaaa cctaacaggg tggccccctg tgccagctca ngtgactgga gcccgagggc  
420ctgacaggtt cccagcagct gggccggcca gccttgcaact gtgggggt

468

<210> 2945<211> 406<212> DNA<213> Homo sapien

ggcacgagaa gttgggggca ggggaggcgg ttcattgaagg cgggctctac atgacttaac  
60ccttgcttgg catggcctta agcctgttt acaatttggg atcttattgc cacagtgtct  
120gttctgtcca tctcatgac cctattttgt tcatctatgc tcggcagctg cgtctaaacc  
180ataaagggat ggggtataac aagttgcac tgacctacca acccatcacg gccaggaatt  
240gttttaagtt ttttctgaga ttccctcggc cacgaggtgg catctgctca atcgttgggg  
300ttttatgatt tttagcttac ataactgatt tgataatcca gggcatttgt taccgcgtat  
360ccaggcgaga ttatgactca actatttagc acctccatct caacag

406

<210> 2946<211> 407<212> DNA<213> Homo sapien

tttgccaggg gaaaacattc tgcttttagg tagtttcaaa attcagggga gggagcctga  
60aatttttgcc atgattgggt tgtagaaag agcaggcatc agactacttc tgataaaatt  
120gttttggaagg tcacgacctc gcaaaaactt ttcaagagca acaagggaaga attctgctgt  
180gaagaacaca gtgtacggat cctccgcata ttatctcaac agaggacagt agctcaggag  
240gcagcttcaa acggtgacct gtggcctggg ccatctcttc gtcattgtct tcaattttcc  
300ctgtttccct gtgaactggc ttccatgggt ctgtagggta gtgaagtcgg gttgtggctg  
360cagcagagca agagatgctt gcccgagtgg gagcaacca ccccgct

407

<210> 2947<211> 380<212> DNA<213> Homo sapien

ggcacgagat aacacttgcc acaacttggg aaattccatg ggtctatgcc acattgctcc  
60cagagtaatg aggcaaaata gtgctctggt atagaattgc ttgtttcaca atacatcatg  
120acagataacc atacaacatg gaatgacaca aacataatat gccacactcc agaatatgta  
180atgctcgtct tccaaggggg ttcagtctaa ggtaattctt accaggaaga aatgctagat  
240gacttttagac atgtgcattg gtttgacct tctaattagt tgaattttta cttattttga  
300catgagagat tacatagaat ctctatgttg cccaggttgg tctccaaatc tgctcaaca  
360atcctccgc ctcagtttct

380

<210> 2948<211> 374<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa cacatttttg atcatgcata ttttgatttt  
60taaatattat tggttagaaa tttgaacaaa gtcaccata cattttctaa cttccagaac  
120tctacttatt atatatctt tgctttatag cctgaaataa ctctatagcg aagtaattta  
180caagaaatgg tctattatga aaagcaggct ttaaagcata aaaatttttt ttataggaaa  
240tatgcatgat tataaaacaa cctgattttt attttattgt tcataaaga gactaatatt

300gggtgcatgtg ctgctgtaat ttgttgtgta ttatgtgtgt aggaaaactg cccagcttgt  
360agccagcttc ctca

374

<210> 2949<211> 407<212> DNA<213> Homo sapien

ggcacgagaa ttgctgtgcg tggggcacgg acggacagcg aggtatagag agtggagaga  
60aggccgcagc ccagctgggc ttccaggtgg gagctcagcc tccccatctc tgccgtggaa  
120gggactcaga ggtgtcaggc caagcatgca ggcaggcttg tgacaaactc cttggccagg  
180agctctgaga attagcttca cttccctcag aaatgcccc aattccctcct ggaagaggag  
240ctgtgtgaca gctcaggcca gggggtcggg actcccccca tctcctccgc acacacatac  
300ccctgcacac ataccagcc acgtacagct ggggtggtgt acgcaagtca tttttctact  
360ctgagcctca ggggtcttct ctgtccacct cccccagga ttactgg

407

<210> 2950<211> 387<212> DNA<213> Homo sapien

ggcacgagga gagagagaga gagagagagt ttgagagtga gagagagaga gagagagaga  
60gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga gagagagaga  
120gtgtgggcgc cctctctct tgtgtgcgct ccccccccc cgctctctca ctcttatgtg  
180ggggggcgcg cgctctctct tttttttgtg ggggtgtgtg gcgctctccc acacggggct  
240ctctctctga gagtgcgcgc tctgtgtgtc tgtgtatata ggggggggtg tgtgtctctc  
300tgtgcgcccc ctgtccctag gcagagagag agtctctctg tgtgcgcgcg ctcttttgtg  
360tgtgcatatg tttctctctc ccctctc

387

<210> 2951<211> 400<212> DNA<213> Homo sapien

ggcacgagac actaagatgg ctgccgttgc catgacaccc aaccctgtgc agacccttca  
60ggaggaggcg gtgtgcgcca tctgcctcga ttacttcacg gaccccggtg ccatcggtg  
120cgggcacaac ttctgatgca gattttagct gagggatttg gaagccattt ggggaggcag  
180gctgggcca aaggtagagc tgggtaataa atgtctatc tcctggggag gagggattct  
240aaactttcct tccgtcctca atttctacct ccatagaccg gccagaattt agcttcaact  
300gagagagac tggaatggc gccatgattg aaaccacgca ccattacatc atcattacat  
360taattacatc aacataaatt atttcttccc ccttcccttn

400

<210> 2952<211> 395<212> DNA<213> Homo sapien

ctttaagatc atcctgggaa ttctcttcac tttttctttt gggagacctc ttatttctgg  
60atcccaggtc ttcattcttc ttggtttact tcttttattg gtggactaca tctctcacat  
120gggaggtaaa ttgttgaaac cttgcatgac tgaaaacttt attttaatct caccctcaag  
180ggatgatttg gctaggtatg gaattctagt ttggaaataa ttgctctca gaattttaaa  
240cacattctcc attgcctcat agttttggcg taaatgttga gaaatacaat gccactttta  
300atttctgatg ctttgcattg gatctatttt tctctcaagt agcttttata atctccttat  
360ccttgatatt ctgaaaattc atgatgctgt gcctg

395

<210> 2953<211> 418<212> DNA<213> Homo sapien

accgatgctg ccggaataga gaaaacatta tctgtatgag ctcttctcga tttacatgta  
60attggcaaaa ttcaaagagc tgattcttca acaaataaat tacttaaaaa cggatggaca  
120gggaacctcg taaagccttt atcaactgca atgtatggac ttctatactg aaatgtttac  
180agatgaaatt atatgatgac tgggatttaa aagaaatcct acgatagcca ggtgtggtgg  
240tgcattgccag ctactcaaga cgctgcggca gaattgcttg aaccaagag gtggaggctg  
300cagtgcgcca agaccacacc actgcactac agcctgggca acgagagact ctgtctcaca  
360aaatataaat gaaaaactaa aagttattct atgagtggcg gaaagaacag attacaca

418

<210> 2954<211> 394<212> DNA<213> Homo sapien

cgttgctgtc gagctcagga ggctgagggt gcagtgaccc gtgategcac cactgcactc  
60caacctgggt gacagagcca ctgcaaagca ctctgtttag tcatggtttc ttttatgtat  
120cttttcatgt attgacctta aaaaagaatg tttctgaata tgcctttaat ctgacaaacc  
180accaccttaa tattctttta aaatcagttt gaggctacag ccatgccact gtgaatgtgt  
240ctgatctcat gtgatcatgg aagctaaagt gagtttgata tgataaatat atgcaacgta  
300acttttaata taacttttaa aaatatgttt ttaaggccag atatggtggc tcacgcctgt  
360aatcccagca ctttgnaggg ccaaggtggg agga

394

<210> 2955<211> 407<212> DNA<213> Homo sapien  
ggcagcagca gctactcggg aggctgagac aagagaatca cttgaaccca gaaggcagag  
60attgcagtga gctgagatca tgccactgca ctccagcctg ggtgacagag tgagactcca  
120tctcaaaaaa ataaaatatt ggggtattgg cacaggagtg gacaactagg tcaatctagg  
180aacagacctt ttggaacttg atatacatga aatgactcaa ccaatcagtg aagacagggt  
240ggatgttcac tgaatattgg agaaaactga actcccccac aaaaagaaa acagatttcc  
300actttacaca cactcaaaat taaatttcag attaaatact aggatatttt taatgattta  
360ttaaattttt ttttggtaga gacagggtct caatatgttg ctccagcg  
407

<210> 2956<211> 412<212> DNA<213> Homo sapien  
cggtgctgtc gggcaggccc ctgtaatccc agctaattgg gaggctgaag caggagaatt  
60gctcaaacct gggaggcgaa gattgcagtg agctgaaatc acaccactac actccagcca  
120aagcaacaag agcaaaaact tcgtctcaaa acaaaaacaa aaaaagagta ttcattgtga  
180ggacaaacaa tacaaatacg aagagggttg tagtaccttt acttgatca cagatacttt  
240tgtacccatt ttgactaga ggaaaacat gaagcagttg ctcaaagtgt gttcaacacc  
300agaaaattta tattggagaa aagcactgta aatgtaatgc atttgtagaa acatttttta  
360aaaaactaca gcttagaaaa taccagaggc ctcatactaa aatataatttt gg  
412

<210> 2957<211> 407<212> DNA<213> Homo sapien  
ccgtgacctg cctgggcgcg gggaactgaa agccggaagg ggcaagacgg gttcagttcg  
60tcatggggct gtttgaaaag acccaggaga agccgcccaa agaactggc aatgagtggt  
120cattgaagat aagaaaggaa atgagagttg ttgacaggca aataagggga tccattggag  
180tctttggctg aatactaagc tgtgcatgct tagagtgaag tttcaagaga ctgggcaaaag  
240aacaattact aggaacagaa caactaccag gaagctgtaa gctgaataat tcttagagct  
300aataaaggat tgagaagtgg ttgagctctg atcagacaca gaaaagagac tttgttgaac  
360ctctgggatg ttcaatagag acctcagaag agtcacacct tattaan  
407

<210> 2958<211> 328<212> DNA<213> Homo sapien  
tacggctgcg agaagacgac agaagggact ctgcattaaa caggagcttt tctaatatgg  
60ctggaactg ttgggggtgg attagagatt tttaaggatc ttatggcaag ctttggtggt  
120tagagtacaa gaatctagtg gtgtctttta ttggggtttt ggggggtgctg ggaactatga  
180cattacaaag agccactaat tgtaactga aggaaaaaat actggtcaat gaagggaaac  
240ttaactataa aatcaactta gtgaaataa accattaagt ggtactaata tgggcaggca  
300cagtggctca cagctgtaat tccagcac  
328

<210> 2959<211> 344<212> DNA<213> Homo sapien  
tacgggtgcg agaagacgac agaaggggtct gtgtggcaca cagagatgag acctactcaa  
60cttgacttag taaaaccatg ctgtagaatt ttgtcttaa aaagaccaca taccagcac  
120ccatgaaata aaagattcat ctgtaattgg gattcaaagt gattaaattc ctttggtcat  
180actcataaat agcactaaag tggtataaca ttttcattta cctattttta gttccttcat  
240tttaacttaa taaaaatctt ggattgatat tctttttttt tttttttttt ttttttggga  
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344

<210> 2960<211> 340<212> DNA<213> Homo sapien  
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120gctggtggtt tgaattgtgt gcttaccttc attcgtgaca gtggacatct agttcataaa  
180gacaccttgc actctgctat ggctgtggtg tcaagactct gtggcaaaat ggagcctcaa  
240gattcttctt tagaaatttg ttagaatct ctgtctagtt tattaaagca tgaagatcat  
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340

<210> 2961<211> 388<212> DNA<213> Homo sapien  
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120tttattgcga tctttgtgtt gagagtcctc catggatctg ttgtgtgctt acatgtcttg

180ctgggtgtgc caagaatgca aggcccaaga atgctcttta tttgggcctt ttctcaggg  
240tggttacaca gctggtaatc ttcagagaca agttaatgtt tctcttgga caaagagcag  
300gcttgccac tgcttggtat aaaaacaata gatttcagcc gggcgtggtg gctcatgtct  
360ataatcccag cactttgatt tttttttt  
388

<210> 2962<211> 403<212> DNA<213> Homo sapien

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120gtggagtcgg aacgacacag gcagagaggg acagagtcgc agcaatccag acagaaagag  
180acacgcagaa agaaacagac agtgacagag aagatggtag cctctctgcc ctcccaaac  
240accttgcccc actggtcctg gctggcgga ggggactcac aggcccttga cctatgcccc  
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403

<210> 2963<211> 393<212> DNA<213> Homo sapien

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120gagggcatct ctgcagcctg caccatcgcc catcccagga aggacagccc ccttcacctt  
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360gggctgggct gccagtcct ctgaccagag agg  
393

<210> 2964<211> 423<212> DNA<213> Homo sapien

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120ctcgcttcat ttcgaagtct cggccccgaa gccgatctct ctctcggttca aggaagcgca  
180ggctgagttc taggtctcgt tccagatcat attctccagc tcataacaga gaaagaaacc  
240acccaagagt atatcagaat cgggatttcc gaggtcacaa cagaggctat agaaggcctt  
300attatttccg tgggcgtaac agaggctttt atccatgggg ccaatataac cgaggaggct  
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420gtc  
423

423

<210> 2965<211> 385<212> DNA<213> Homo sapien

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120caagatgcac tttcgtattg agaggaatat gggcttgatc ctcttcctat cttaatgggt  
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240aggttgctca cagcctaacc tggcgtgttg tttagggttg atggagacc atgtgagcct  
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360catgtgcaga gctggccacc agcac  
385

<210> 2966<211> 376<212> DNA<213> Homo sapien

cgttgctgtc gtggggacag atttgtgatg cttgattcac ccttgaagta atgtagacag  
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120aaatcagaac ttgcataaga aagagaatgg gagtctgggt aaataaagat gactatatca  
180gagacttgaa aaggatcatt ctctgttttc tgatagtga tatggccatt ttagtgggca  
240cagatcagga tttttacagt ttacttggag tgtccaaaac tccaagcagt agagaaataa  
300gacaagcttt caagaaattg gcattgaagt tacatcctga taaaaacccg aataacccaa  
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376

<210> 2967<211> 384<212> DNA<213> Homo sapien

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120aagaaacggg aggtctgtga cgcacaggac cttccacgg gctgctacat gtactatttt  
180cagtatctga gcaaaacctt ctgctggat gcaactagag agacaaatcg cctaggaaga



240ctgatcaatc acagcaaatg tgggaactgc caaaccaaac tgcacgacat cgacggcgta  
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360tatggggacc gcagcaaggc ttcc

384

&lt;210&gt; 2968&lt;211&gt; 225&lt;212&gt; DNA&lt;213&gt; Homo sapien

tcacactgcc ttccacccgc tagcgagccc aattgcatgc aatatatgcc tgatgatcca  
60ggggaggaga gagagtgatg cagagctggt gcagaagggc agcgagctgg tggctctgcg  
120gggtggcgctg cgggaggccc gtgctacgct gcgggtcagt gaggggcgtg cgcgggggtc  
180acaggaggcc gccccgactc gggagctgga gctggaagcc tgttc

225

&lt;210&gt; 2969&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggtgctggcg attctgtgtt attaattata ttcatactat tgtgcaacca ccggcaccat  
60ccgtctacag aactcttgat cttcccaaac tgaaattatg tattcattaa acaataacca  
120cccattacct cctctctcct cagcctttgg taaccagcat tcagtctcta tgaattgact  
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413

&lt;210&gt; 2970&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcctgggag acagagcaag actctgtctc aaaaaaaaaa aaaaaaagg  
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240ttataatagg ttatcccaaa gggagtaagg aggttttata gggccaaacc cttcttataa  
300aaaagaaatt agccaactta tggttgttta agggtaatag gaaaggctta tatggagaac  
360ctttattctt aaaaaaagg gaaattttt ttcggtaccc catgt

405

&lt;210&gt; 2971&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gcgagaagac gacagaaggg ccattccacta atagatrggt cagcaaacaa  
60tccaagctgt gagccaaagt cagcccacta tgaggccaac tctgtttgca cccattcttt  
120atagcttttg cactacagtg gcaaagttaa gtatttgcaa cagagactgt ataacctgta  
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360atcagaacag aacaacataa n

381

&lt;210&gt; 2972&lt;211&gt; 437&lt;212&gt; DNA&lt;213&gt; Homo sapien

aggatccctc gattcaattc ggcacgagga cagagccgac tccatctttt agaaaaata  
60aaaaatattaa gaggttctgc tgccaaatgt gggttctgtg ggtcgggtgt gggttctgtg  
120ggtcgggtgt gggttctgca aaccagggtc ggattctgtg taggttctgc aggccaggg  
180taaagggtca cacctgtaat ccagctactt tgagacgctg aggggggagg atcacttgag  
240cccaggagtt caaaaaccagc ctgggcaata tagggagacc gtatcactac aaaaaagttt  
300tttttagttca ccgagcatgg gggcacatgc ctgtagtccc acctactcga gaagctgaaa  
360tagggtcacc tgaccctggg aggtgagggc tgcagtgagc caaatcgca ctactgcact  
420ccagcctggg tgacaan

437

&lt;210&gt; 2973&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat tacatttccc agtacttctt gtccctctt cctgctttct cttttttttt  
60tttttttgaa ttaaaaacgg agtttgctt tgccccggg tggggggcca ggggaaaaat  
120tttgcttaat tgaaccccca cttggggggg ttaagaatt ttgcctgcct aacctccgg  
180agaaatggga ataaaggggc cttgcccccc cccaacctt tttttggtt ttaagaaaa  
240aaggggggtc aacctgggtg gccgggctgt tccaaacttt tggccctggg gggatcccc  
300ccctgagcc ccaaaaaagg tgggaataac gggggggacc aaccatgcca aaaattgggt  
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399

<210> 2974<211> 346<212> DNA<213> Homo sapien  
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180cacacagata ccaacatttc acaagccaaa gccagagaat ttgaaagca tcaagggaga  
240agcaacttgc tacatacaaa ggatcctcag taacaggtcc ccaagccctg ggccacagac  
300tgtaacagt ctgttatgtt ccagaccaca cagcaagagg tgagtg  
346  
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120cagcagtcac catcttcttc ctctctctt tcttctcat cgtgttcttc atcatcaact  
180gttgtagaca aaatctctca acaacaact gtagtgccag aatctgattc aaatagtcag  
240gttgattgga cttacgatcc aaatgaacct cgatactgca ttgtaatca ggtatcttat  
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341  
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427  
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120gagagagaga gagagagaga gcccccttc tctctctttt tttggggcg ctctctttt  
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420acagct  
427  
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60aataacaagc tgtatat ttaaaagttt ttaaaacttt ggacactctt tcttttgta  
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180tataacaaac gtattctttg ctgttacgta agattttcga ttcacagagt ccatccatgt  
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339  
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60aagagaagtg aagtaaggac aagctggaat ctataggcat ctctgcatct atctttcact  
120gcatctagcc atgacaaact tcatagtata atgactacag ctttatctcc aactttttt  
180tttttttaag aagaaacttc ccggacgaga tcccagaggg gtatttttagc atcctagaga  
240cctcctccta gaggggtcaag gaagatacct gcctcaagtt ctgggagaag aggaataca  
300gggcatgggc cactatacac gggaagtttt tttttttaa acaaaaaaag gctttgacca  
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394  
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120cacatttgat gtgttttcat gaaggaaagt aaccaagaaa cctctaggaa ttagtgaaaa  
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240taaatagaat agtggtgaag atatgaaata tggctatttt taatggtgac aattatgact  
300tttagtcact attaaattgg ggttacctat atcagtacaa tttgtagttg tttccaggtt  
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399

<210> 2981<211> 399<212> DNA<213> Homo sapien

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120agatgttcaa aaaggagata gaaatgattt taaaaataac aaaatgaaaa ttctgagatt  
180gaagaatata gtaactgatg tgaaaaattt actagagggt cttaccagag gtttgacatg  
240acagaagaaa gaagcagtga atttcaaagg tagatgatct aatctgaaga tcagagagga  
300aagattaaag agaaatcagt agagccacag agatctgtgg gtcagcatca agtttaccta  
360tgtatgtgtg atgggaatct cagaatgaat agagaaagc  
399

<210> 2982<211> 397<212> DNA<213> Homo sapien

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120ggtttaccgg aaacccaaac ttgaaaaaaa ccttggtggg gtgggaacaa cccccaataa  
180aagggcgggg aaaaaagggg ttttttgaa aaattgggaa ggctttggtt tttttgaaac  
240ccttttatagg cggaaaaaaa aaggtaaaca ccacaagggg cttttttttt tttttcaggg  
300ttaggggggg ggggggggga gttttccna acaccaatat acaggggata cctctaacta  
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397

<210> 2983<211> 372<212> DNA<213> Homo sapien

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120ggttgcctcg ccattgtcac tgcattgccc catgccacac tagctgccc gaggcctaag  
180aacctgcccc cttgctggaa ccaaggcttc aacacctggg taagtcacct ggaggcccaa  
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372

<210> 2984<211> 410<212> DNA<213> Homo sapien

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300cagggtgca ctgccacag caggagggtt ggggtatggg tgctttctgg ggctgcaatg  
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410

<210> 2985<211> 407<212> DNA<213> Homo sapien

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240ccaggactac aggtgtgcac ccaccaccac actcagataa ttgctttggt gtttttaag  
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407

<210> 2986<211> 453<212> DNA<213> Homo sapien

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120ttgaaactct ggagatcct ttgcctcag cctcccgagt agctgggact gcaggtgtat  
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240gaatgtaaat tgttgggttg aatgtacgtt ggcacaactt ggggaaagtt tggcaatgta  
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360attataaaaa aaagtacatt tatttaaaaa cttagctggc tgggtgtggt ggctcattcc  
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453

&lt;210&gt; 2987&lt;211&gt; 407&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggatggatt tggaagctgg aattcctctt aacaaccaag ggggtttattt tcaaagcaat  
60attggggaat tgatttcaca gttcgttacc ttagtaggga acggttaaggt tattcttttt  
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300ccccccagcc gggagggcag gggggttaatt agaactttt cccccggga tgaaagcaat  
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407

&lt;210&gt; 2988&lt;211&gt; 339&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggggta agctattaag tgcattgttc cctcaggccc  
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240aattttttccg gccttgcccc ccaagggggg gggaataaag gggccttgcc cctcccccg  
300ggaatttttt ttttttttta aaaaaagggt ggtcccccc

339

&lt;210&gt; 2989&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aagatgagct cgccaagaag cgggcggcct tcctcctgaa gcagcagcgc  
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399

&lt;210&gt; 2990&lt;211&gt; 326&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctacggctg cgagaagacg acagaaggga tggtaaaatg ataatacaac aatactataa  
60tcaaccctat gtccacaatt tgataactgc aatgaaccaa tcctttgaaa gacacaattt  
120gtcaaaaactc acataagaaa tagaccatct gagggggcct aaacctttta aagaattgaa  
180ttaataatgt taaccttcca aaacagaaag cagggaacca gatgggttca ctagtgaat  
240ctactaaaca tttaaaggaa aaactaataa atgagatatt ccatgtttat ggatcagaag  
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326

&lt;210&gt; 2991&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggcgc ggcctcagcc tccagtggcg cgatctcagc  
60tcaactgcaag ctctgcctcc cagttcacgc cattctcctg cctcagcctc ccgaggagct  
120gggactatag gcgcccgcga tcacacctgg cttttttttt tttttttttg ggaaaaaacg  
180gggttcccc atgtaaccca ggaggccta aatctccgga cctaaggacc cgccccctg  
240ggcctttaaa agggctagaa taacgggggg gacccccgc ccagggcctg ggaagcacac  
300agtttttacc ttgttacc cccttgggga aaagggtttc ggcacggggg ttcttttaaa  
360ggagggacca gccctcattg

380

&lt;210&gt; 2992&lt;211&gt; 378&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc ggatggcagg tgatgagact cagccaactc ggtttgcttt tgtggaattt  
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120ccactgaaaa taaatcactc caacaatgca atagtaaaac cccctgagat gacacctcag  
180gctgcagcta agaggttaga agaagtaatg aagcaggtac gagaagctca gtcatttatc  
240tcagcagcta ttgaaccaga gtctggaaa agcaatgaaa gaaaaggcgg ncgatctcgt  
300tccatactc gctcaaaatc caggtctagc tcaaaatccc attctagaag gaaaagatca  
360caatcaaaac acaggagn

378

&lt;210&gt; 2993&lt;211&gt; 450&lt;212&gt; DNA&lt;213&gt; Homo sapien

accctacgaa caagctactn ggnnttttng cagganccca tnaattcgaa ttcggcacga  
60ggtcagtct tccgccaccc cggataaagc ataacatgga tattggaact tgggataaca  
120aggggtcccgt tgcaaaagcc ccctcacagg ctttgggttca gaatataggt cagccaaccc  
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300tccagcaaca ggcagctcag ccaaccgcgt gggtagcacc tcggaaccgt ggcagtgggt  
360tcggtcataa tgggggtggat ggtaatggag taggacagtc tcaggctggg tctggatcta  
420ctccttcaga accccaccca gtgttgagga

450

&lt;210&gt; 2994&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncaccanna aacttcagcc aaccgcgtca ttgtggacac cattgttatg gccaatctgg  
60gctactttca gctgaaagcc aaccaggag cttggatcct cagacttagg aaggagcgt  
120ctgaagatat ttatagaatt tacagccacg atggcaccga ttctccccct gatgctgatg  
180aggtgggttat cgtcctcaac aacttcaaaa gcaaaattat taaagtgaag gttcagaaga  
240aggcagatat ggtgaacgaa gacttgctga gtgatggaac gagtgagaat gaatctggat  
300tttgggattc cttcaaatgg ggctttacag gacagaacac tgaggaagtg aagcaagata  
360aagatgacat aattaatatt ttctccgttg catctggtca tctct

405

&lt;210&gt; 2995&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggg gggacgcgt caatgctctt tatgtatccc ttagnngggt tccgatttaa  
60gcgactgccc acgagaccca aaaaagggtg tccgaaatc tcaccgtgag gcgcgggtca  
120tcagactgaa acttgctcac agacttccag ttatttatctt ggggtctgaa ggatatcaac  
180agctcatctg tgaccaacag ggcaactgga acctacaca accaattgct tgctgcaagc  
240agagttttat atatttatag tcacagacgg cagaggaaga ggctctcagt cccacctgt  
300acaacaacgg aaagggtgtg ggccacacta agaatccaaa cgccgtggcc tctgcagag  
360ctgnggcttt tgtggagaat acttccgggt attacatgcg

400

&lt;210&gt; 2996&lt;211&gt; 336&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacgggtgtt agaagacgac aaaaagggtac ggggtgcgaca agactacaga aggggttctt  
60ttattaggaa atgcatgtat acggaaaaag aagaaggaat ctttaccat ggactacagg  
120aagtgaagc aaacgtttc cctacctgaa agtttcttg tgtgagactg gaatatatag  
180ttttacctct gtacaccatt ttgtctctag cctatatgga ctacctacac tcataatgag  
240aataatgac aaatgaagga gttcggtttt gttttgttct tttctttctt tttttttt  
300tgagacaat ctactccgt caccagggt ggggtg

336

&lt;210&gt; 2997&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggcttca gattacgaca gaaggagttt gtatcctagg agcaataggc tataccatat  
60agcctagggt tgtagtaggc tgtaccatct aggtttgtgt taaattcact ctttgatgtt  
120tgctcaggga cgaaattgcc taaaaactca tttcttagaa tgtatccctg tcgttaaggg  
180actcgtgacc gtattactat cttacagatg aagaaagtga agttctgaaa ggtaagtgt  
240cttgccaaa gacacacagc cagtataatg ggagcaaaac acaactgcct gaagaaaaac  
300tttgggtgat taaagtaaag taaaaacaga tctgaaaaga tctaccaatt caatccttc  
360agtaaaattc tgggt

375

&lt;210&gt; 2998&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

catgcgacgc catggaacat taagaggaaa aggttttgaa aaaattaaag ccatttaca  
60cctgggtttc aacgctagcc ctttctggat tgccatagc cctgccaaga tactgcaggc  
120ccattcaggc ctgtgctatc tgcacagcc gagggctttc caggaaactg actgtctttc  
180attcgaaact tatttttgtt gatttaatat tttaaacttt attttaaaaa tttttcaaac  
240ataagggcgg ggtgtgggtg ctcatgctg gaatcccagc actttgggag gccgaggcgg  
300gcggtacc tgaggccagg agttggagac cagccaggcc accatgggga aaccctgtct  
360ctacaaaaa tag

373

&lt;210&gt; 2999&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

gggaagaaga aggaggagt gtaaaggctc caccaaccca accagttctg cctcctcaaa  
60ctataatcca gcagcctcag ccattaattc aaccaccacc attggtgcaa agccaactgc  
120ctcaacagca gcctcaacca ccacaaccac agcagcaaca aggacctcag ccacaggccc  
180agcctcacca agtgcagcct caacagcagc agctgcagaa tcgctgggta gctcctcgta  
240acagggggagc aggcttcaac cagaacaatg gagcgggcag tgaaaacttt ggtttagggtg  
300ttgtacctgt cagtgttca ccttctagt tagaagtga tcccggtgctg gaaaagctaa  
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399

<210> 3000<211> 428<212> DNA<213> Homo sapien

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120ctcctggagt atccttttgc ctacgctcc cgagttagctg ggactgcagg tgtataccac  
180ctccccaaact tggatttact agtagtagca agttagaca agagtctcct atttggaaatg  
240taaatgttg gttggaatgt acgttggcac aacttgggga aagtttggca atgtatatca  
300aaagcattaa aattgtgtat atcttgtggc ctggcaatac tccttttatg aatttattat  
360aaaaaaaagt acatttattt aaaaacttag ctggctgggt gtggtggctc attcctgtaa  
420tcccagcn  
428

428

<210> 3001<211> 390<212> DNA<213> Homo sapien

ggcacgaggc tactcttacg cactcacgtt cattaactgc gttctgatgg cagaaggtag  
60acagcaactg gacaaaggtg aatttacgga gaagtacgtg gtcccgaga caaggctggc  
120attcaagttc atcacactct accgggcgat acgggagcat ggcttctacg tcactgactg  
180tcccagcag caggcacaac cccctgaggg cggcggtttg tgctgagagc tatgtaagcg  
240cagcctgtac gctggagggt agggaggatg ctacctttaa tcactactat ggatctctaa  
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390

<210> 3002<211> 405<212> DNA<213> Homo sapien

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120tggtgtcaca aaatgtgcct ttcttttct ttctttttt ttttttggg gcaaagctctc  
180ctttttttcc ccaggttgaa ggcagggggg ccaacttggg ttaattgaag cctccccttc  
240cgggggttaac ccttttttct ggcttagacc ttcaaggaat tgggaattaa agcttcccc  
300cccccccccg ggatattttt ttggattttt aataaaacac ggttcattt ttgttatcca  
360gggggggttca tatctccggc cccaataatc ccccgcttt tgcct  
405

405

<210> 3003<211> 433<212> DNA<213> Homo sapien

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120ggtgaaggtt cccctgctc cagtcccttg tctcctccc agccctggc cttctgctgt  
180cccccttcc cccaagagtg tggctacaga agagaggga gccccagca ctgcccctgc  
240agaagctaca cctccaaaac caggagaagc caaggctccc ccaaaacatc caggagtgtc  
300gaaagtggaa gccatcctgg agaaggtgca ggggctggag caggctgtag acaacttga  
360aggcaagaag actgacaaaa agtacctgat gatcgaagag tatttgacca aagagctgct  
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433

433

<210> 3004<211> 335<212> DNA<213> Homo sapien

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120tgctccccca aattcgtagt ttgaaccct aactctcaat gcgactatat ttggagatag  
180ggttttttagg tgattcaggt taaatgaggt cctaaggggt aggcctaat ctgatgggac  
240tggtgttctt ataaatggaa caggatgcac aagagagctc tctctccca catgcacgaa  
300gaggccatgt gagtacagag caaatggcg gccac  
335

335

<210> 3005<211> 350<212> DNA<213> Homo sapien

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180gttttatagt tgagttgatt tttctttgtg gaagagatag gcgtcgagca ctttcagtta  
240gccatttaac gcgtttttta tgttttaatg ctgaatagag ttccattgta tctactactt  
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350  
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240aaaacattta acattttta cataaatgct aacagatcct tctgtcttat ttccagctct  
300tttaaggttg tgaatttctg gaacttaacc catttatgca ggagattaaa attttttgtg  
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405  
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180gaaccaaac tttggggggg ccgggggggg gggactccct gggggaaggg attggaaacc  
240caccggggcc accgggaaaa acccgttttt ttttaaaaaa acaaaatttt acccggccg  
300gggggggggg ccctgaaacc ccggtttttt gggaggttgg ggggagaaaa ttggttaaac  
360ctgggggggg gggggtggaa gggcctaaaa accccccccg ggcttttc  
408  
<210> 3008<211> 422<212> DNA<213> Homo sapien  
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120agtctgatta tactcataat aatatatttg tatctgcagt gcctagaaca aaaccttgcca  
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300catctcacia ataaaatgaa ggctactata ttgttttgca gttctgaatc taactttaca  
360aaaatattga agagcatgct aagaaaagat catatatctg gcacattaaa aggcgtttag  
420ag  
422  
<210> 3009<211> 407<212> DNA<213> Homo sapien  
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180gacatagcac cagcagataa catcccaaaa gaagaaaaac ataggcgaga agaggaagct  
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360gaaatgattc ttcaagcatc tgaatatgaa gaccttgaac acaaacn  
407  
<210> 3010<211> 403<212> DNA<213> Homo sapien  
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300gaggaaatac cattcagttt gccttaacag gaatgagagt gattgccatt gatatcgatc  
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403  
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240tgccctacatg taaaaaagct gtttttaaata taaatatgac tttaatttta aaaattaaac  
300attttttgcac tatcaaagtt aaatatacac catggaaatt tgaataacta gaagaaggga  
360gaaaacacct tttctaacgt ttatcat

387

&lt;210&gt; 3012&lt;211&gt; 380&lt;212&gt; DNA&lt;213&gt; Homo sapien

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60ggattccctg aaccaactgg taatgcaacta ccagcatata aggtgtcctc attaaagcag  
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240aaagtaaaaag attatgaatt taggctcaaa gccaatctcc ctctcattta attctacatg  
300agcaagtcaa ggagtttggg agagctttat gaaatctcta aagattgaag gaaaacaatc  
360actataatcg atttgataag

380

&lt;210&gt; 3013&lt;211&gt; 391&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgtgaccaca cttcttcttg aagggcagcc tcctgcccag gccccgtggc  
60cctggagcct caataaagtg tccctttcat tgactggaaa aaaaaaaaaa aaaaaaaagg  
120cccccaaaaa aaaaaggggg gccttatacc taaaacccaa acggaaaaaa aaccttggaa  
180agttgggaaa aacccaacc aaaaaggcgg gaaaaaaagg cttaaattgg aaaaatgggg  
240gagccattgg ttaattgga accaaaaaaa cccggaaaaa aaaaggtaaa aaaaacaatt  
300ggcttttttt tatttttcaa ggtccggggg agggggggga agttttttnn ncatngcang  
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391

&lt;210&gt; 3014&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgtggtatcc catgagttgt ttctgtgcac tggctctatg tgccgctatg  
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180cattttttaat gtccaaagtg gaccaagatc tcattatgac tcagaaaaag gttgtggctc  
240accttgaaac tattctaaga gcctcagttc aacatgttaa actgaacaaa atgaagcact  
300cttttcacct gtggatcgca atgatgtcag caaagggaca tgatgggaag gaacctgtga  
360aatttgtaga tttgcttggc gaccn

385

&lt;210&gt; 3015&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

gttgctgtcg gtgagcgctg ctgagcggga ggtgggcacg gcgggggcat cgcagatgcc  
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120ccaacgagga gggcatcact gccttgaca acgccaatctg cggcgccaac tactctatcg  
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240ccccgacccg cgcgggtggg tgggtcccc gtgggaggac gcgcagcctc tcacgcacatg  
300ttccccgcaa cccccaccc ccacgcctag gacacccttg cactgcgcgg cgtcgtgcaa  
360cgacacagtc at

372

&lt;210&gt; 3016&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agaaggggca cttatgacaa cattaacaca gaatgccagt  
60tcacagcag cagactcacg gagtgggtcga aagagcaaaa acaacaacaa gtcttcaagc  
120cagcagacat catcttctc ctctcttct tccttatcat cgcgttcttc atcatcaact  
180gttggtacaag aaatctctca acaacaact gtatgcccag aatctgatcc aaatagtcag  
240gttgattgga cttacgatcc atatgaacct cgatactgca tttgtaatca ggtatcttat  
300ggtgagatgg tgggatgtga taaccaagat tgccctatag aatggttcca ttatggctgc  
360gttgattga cagaggcacc a

381

&lt;210&gt; 3017&lt;211&gt; 442&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctttttgca ttatcccatc gattcgctca ggctgatctc aaactcctgg cctgaagcaa  
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120atgctttact tattccaaaa aaataacaag aatggaaaga ggaaaaataa acctgaaagc  
180gagttgagat acattaatcc agctgtatct taaatgagaa acataaccac accgacgggg  
240attggtgaag ggaagatgga aaatctaact caagtgattt atcgacacat caaatgtgtt



300tgactgtata ctggcagttg tgggtggggga tgggactgca agaaaaatct tgaggccagg  
360cgctgggtggc tcatgcctgt aatcttaaca ctttgagagg ccgaggcaag atcacctgag  
420gtcaggagtt cgagaccagc ct

442

&lt;210&gt; 3018&lt;211&gt; 427&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagagaga gagaactatt ctcgagagca gttttttttt tttttttttt  
60ttaaaaaagg gggacccctt gggttcccca ggcgggaggg cagggctgaa atttgggtta  
120atggcaccct ctttttctaa gggttaaggga atctccttcc ccccccccc taaaaagcgg  
180gaaaaaaggg cacttccccc cttccccagt taatttttgt tttttaaaaa aaaagggggg  
240ttcccaaggg ggccaagagc agccctgtt cgtgcacaaa ggcaccaaca tggagaccgt  
300ccaaaactgt cgcatttagg ggactgacct caccgtccaa gcgatattgg gttttaaant  
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420aaataag

427

&lt;210&gt; 3019&lt;211&gt; 418&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gaccttgat caaaaggaag ctctataacc tctttcttct tcgcttcctc  
60ctctcccaag caatggaaac ttttaccat gtaattctag ctgaactcag gaaaaagaag  
120ggggaaagga ctctgtcccc ttggggctca tcaccttcc acatcctct cctcgttgcc  
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240cctgaaaggc aggggccc aa tctcgttaa ttgaaaactt ggcctcggga ataaaggcaa  
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360taattttgga ttttaaggga aaagggggtt taacattgct gcccaatgg ttttaaat

418

&lt;210&gt; 3020&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactgttgtt agaagacgac agaaggggtta cacatgcaca cacgtacagg agcgtgcaca  
60caaacacacg tgcacgcaca cagcatgca cacacgcaca catgtgtgca cacatgcaca  
120catgcgcgca cacatgcaca ggagcctcca aacacacgtg catgcacaca catgcacaca  
180ctcacacgca tgcacacacg cacacaagca aacacatgga cacacacaaa cgcgcacatg  
240tacaggagcc tgcacacaaa cacacgtgca tgcatacaca cgtacacaaa catgcacaca  
300cacatgggcc aggcgtgggtg gctcacgcct gtaatcccag cactttggga ggccaaggag  
360gggtgatcac gaggc

375

&lt;210&gt; 3021&lt;211&gt; 384&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac ctagaaagag agtgcaatga agaactttgc aattatgagg aagccagaga  
60gattttttgtg gatgaagata aaacgattgc attttggcag gaatattcag cttaaaggacc  
120aaccacaaaa tcagatggca acagagagaa aatagatgtt atgggccttc tgactggatt  
180aattgctgct ggagtatatt tggttatttt tggattactt ggctactatc tttgtatcac  
240taagtgtaat aggtacaaac atccatgctc ttcagccgtc tatgaaaggg ggaggcacac  
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360ggaggatgca ggattacctt ctt

384

&lt;210&gt; 3022&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnnnacgaga gaaaggatag gaaggaagca tgagagagaa tagggagaag tgaacagggg  
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120tacagctgcc ccatggcgac agaggcggcc aggttctat acccctacgt ggatcactca  
180ctgtgcttgg gcaccttggg aaaggcgatg gctttgagca aaaggctctc tgcagctgag  
240gcaaccctta ccagggtga cggctgaagt ctgtctgctg accactgtcc cagcagctgg  
300ggcttggttag tcttctctca aagggggatc cagatggcat gtcacagtgt ctacctgaaa  
360tgctactga atccagctgc aatgcaagaa gactcctga t

401

&lt;210&gt; 3023&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctctgcaaaa gaccctccg acccgagtgt tctggaact ggttccctgg  
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120caccctctt cctcaacaca agccaaact gctaccgcg aggtgcaagt aagcggcacc  
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240gaggcggcag ccgaggccaa aaagagcgtt tgtcgccggc tagattacat aacgcatagc

300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggactt taggagagt  
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406

<210> 3024<211> 399<212> DNA<213> Homo sapien

ggcacgaggt ctctgcaaaa gacccctccg acccgagtgt tctggaact ggttccctgg  
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120caccctct cctcaacaca agcccaaact gctaccgcg aggtgcaagt aagcggcacc  
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240gaggcggcag ccgaggccaa aaagagcgtt tgcgccgtc tagattacat cagcagagc  
300ctccagcagc agggcggtgca ggcagaaaat ataactgtga caaaggattt taggagagt  
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399

<210> 3025<211> 399<212> DNA<213> Homo sapien

ggcacgaggg ggggtgtggc cgagctgtac tgcccctgga cactgctgag aactggaca  
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120cggtagtctt gggcaagcag gtgctagtgg tgggtggtgt ggatgaggtc cagagcccgg  
180tagctgctgt agaggccttc ctgatggatg agggccgctg ggagcgtcgg gccaccctcc  
240ctcaagcagc catgggggtt gcaactgtgg agagagatgg tatgggtgat gctctggggg  
300gaatggggcc tgacacggcc cccagggccc aggtacgtgt gtatgagccc cgtcgggact  
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399

<210> 3026<211> 407<212> DNA<213> Homo sapien

ggggccagcc cagccctttg agatgtcag gttggcataa cacaagcca aaagagaaag  
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120tgcaagcctg gaaacccaat tgcttgatag gctgccgcta gagactact tcaacccagg  
180aggagcagga tgcgcagagc ttatatggtc ccactgcact ccaacgtgag tgacagataa  
240aacctcatct cctaaaaaat aataataata ttctagcatg tttatatgaa aataattgtg  
300ctttccaaaa cagaaataaa aatagtga aatgtgtcat tgttttacct ctctatatca  
360aatgtataga ctacaggtag atttccttat ctgcttctgc agtcatt

407

<210> 3027<211> 353<212> DNA<213> Homo sapien

tatcggtgc gagaagacga cagaagggtg cggctccgag aacacgacag aagggtata  
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120gttaaaggaa taaaagagct ggaaaaaaa ttgtacctc aactcagggt ttccagataa  
180acatacgtat tctctgctgt tacgtaagt ttccgattca cagagtccat tcatgtacat  
240cacttacact taaattgtaa aaataattag tctgaccatc tgactttaaa agactgttgc  
300tacacgtaca tcatgtttag gagaatgtgg gatatggnga aggggagaag aag  
353

<210> 3028<211> 340<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtac ggctccgaaa agacgacaga agggcattgg  
60taaaatagac aaaatggcta ctcttaact accattctca ctgggttgtt gtgaggacac  
120agataattaa gaaaaacata ataaatatcc aaattagaaa atggaaaagg ggccgtaacc  
180ctactcctaa cctggtcatt ttaacctcct gtgccctcag tttcttcac tgtataatgg  
240acataggcct ggtgtggttg caagaagcag ctaaaaatca ggaaaaagaa catcatgtat  
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340

<210> 3029<211> 417<212> DNA<213> Homo sapien

ctgtgttgag gctaattggc gtgcccacgg aactggatgg agggagtgtt aaggagaccg  
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120attattctcg cttccaccct ccggagcaac ggctccgcct cctgcccccg gagctgttc  
180gacagctctt tctgagagt ccgagaacg ggccgattct ggggctcgac gtgggtgta  
240actccgggga tctgagtgtg gctctataca aacacttctt ctccctacct gacgggga  
300cctgctcaga tgctcaaga gaattcgtc tctctgctg cgacatagat ccagtcctgg  
360tgaagcgagc cgaaaaagaa tgccttttct ctgatgcctt gacttttacc acctgg

417

<210> 3030<211> 407<212> DNA<213> Homo sapien

cggtgctgctc gaaagactca gcccaagtat aggatgccct ttttcccttt gttttttttt  
60ttttgaaaag ggagtttggg ttgccccca aagggtggaaa ggcagggcca gaatttgggt  
120taactgaaat acccccctcc ttgattaagg aaattttctt gcttaacctt cccgggaagt  
180gggaatggaa ggcccccccc cccaccccg gtaaattttg gatttttaag aaaaaacggg  
240ttttaacaat ttggcgaggt gtggttttaa acnatnaacc taagggaatt accttccttg  
300gccctccaaa aggccgtgaa taaagggcgt aatgcccgcc cccaaacaaa aaaggggggt  
360tttctaaata ccgggggggt ggggttttaa acaatacttt gacaaaa

407

&lt;210&gt; 3031&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggaaatttgg gaagaatcca agaagtatag gccaatgaaa acaagttatt aatacaata  
60gtactgtata tgagagtaca cattacgaat gctgtgcttt aatgcataaa catgtttaca  
120gtggtccaca tgtgccagga gatgtgggaa tggctacccc tgaagtcata tggagaaatg  
180gggtcctcat cgcacaccat acacaaacat catctcaca atggattaaa gacacttaag  
240acctgaaacc aaaaaaactc ctaggagaaa acacagggga aagctccatg acatcagttt  
300cggcgatgat ttttttttgg acatgacact aaaagaacaa gcaacaaaac taaaagtaaa  
360caggtgggat tacattgaag taaaaagttt ctgcacaaca aaggaaacaa ccaacaaat  
420gag

423

&lt;210&gt; 3032&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagag cgcacttccc tccggagacg ttagaaagtg cattttggcg tcacttaagg  
60gacggtgtag tgagttccgg cttcactggg tccaattctg tccattgtt cggtgcatgt  
120gaacttttct ggatttcagt tctttcatcc ggggcctgcc ggtgccgtaa acggccattc  
180aaagggaaaa acgaacacgc acaccaaaagc gctagcttgc gttcctgccc atgcgcagt  
240accgagcgg agaggccgag gcgtagccta agcgtgggat tccgcgcgtg cgctcggctc  
300cgcttgggtc ggccgcggcc gggagggact ggattatgtc ggccccgttt gaagagcgga  
360gtgggggtgt accgtgcggg acccgtggg gccagtggac cagaccttgg

410

&lt;210&gt; 3033&lt;211&gt; 416&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aacgtttgtt gttttgggtc tcacaataaa ccttgggtacc gccactctt  
60tgggtccgtc catctaaaag cgctgtgaca ctaccgcga aggtcccggc tttattcctg  
120agaccacgaa cccaccggca ggaaccaact ccagactact atgtgctaca gagaacttct  
180tcaggccttg aaaaatagaac atagtaaaaa gcggcttctt tgtccatgga tcagcagtc  
240ctatttccca gctcgccctcc aagagctaac taaagtgcag cataaactgc atgcagcatt  
300gttttcacca cagcaaaccc ttccgggtgc ctctagcgg cggatggaga actagcattg  
360cgcgagagca ggaatgggcc acttgtgtgt aacaaaagat ggactgcgct tggaag

416

&lt;210&gt; 3034&lt;211&gt; 431&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgctc gaagactgag gtcggttgatt ctgatggatc agtgaaagac aaaatcacag  
60cattcatagt agaaagagac tttggtggag tcactaatgg gaaaccgaa gataaattag  
120gcattcgggg ctccaacact tgtgaagtcc attttgaata caccaagata cctgtggaaa  
180acatccttgg agaggctcga gatgagttta aggtggccat gaacatcctc aacagcggcc  
240ggttcagcat gggcagcgtc gtggctgggc tgcacaagag attgattgaa atgactgctg  
300agtacgcctg cacaaggaaa cagtttaaca agaggctcag tgaatttggga ttgattcagg  
360agaaatttgc actgatggct cagaaagctt acgtcatgga gagtatgacc tacctcacag  
420cagggatgct g

431

&lt;210&gt; 3035&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgctc agaagacgac agaaggggag gagacacaga acatggcggg agggatggca  
60gtctaccttg tggcaacgcg gaagtcacgc tgccgcaagg ggcgcatttg ggcccatagc  
120acccagaaac gcaaatgata ggtaggcgga cctttccgcg ttgcgcgcat actcagctac  
180gtaagactcc ttccctcacc ttccctttct ttgcctttcc tttccctgac gctggaggaa  
240gaagggcagg ggttctgtgc catangcggc ctttctgggt cagaggacct tccccatcct  
300ccatcatgtg agcagccaga gccgggcgct cgaan

335

&lt;210&gt; 3036&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg acactgcact ccagtccagt cacgggggtc tgggccctga gcggctacag

60caggcactga gccaggaaca catcatcggt gcccaggaac agacagtgc caatcaggag  
120gaagccgcct acatccaaga gatcaccacg gcagatggcc agaccgtaca gcacctggtg  
180acctccgaca accaggtgag ctactagcta ctgttaatcc cctcagctgt gacctcctac  
240cctcccaaag acctaccttg gggaggaatg atactttcca aaccaccct cctggggtcc  
300atgcttgcca acaactgcat tgttgctggt ggctgttctt agtcttcac tctgccttct  
360tagctaagct cctggcgagt ggggcctcag cacctgcctc gccatgcn  
408  
<210> 3037<211> 353<212> DNA<213> Homo sapien  
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120aaattgcttg atggttgat tagcctgatt tcatgctgtg atacagacac acccagact  
180ggggagttta tagagaaaaa gaggtttgat tgactcacag ttccacatgg ctggggaggc  
240ctcaaaatca tgggtgaagg ctaaaggata tttacatgg tagcagaca gagagaatca  
300ggaccaagca aaaagagttt ccccttgtaa agctatcaga tcttgtaga ctt  
353  
<210> 3038<211> 352<212> DNA<213> Homo sapien  
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120gaataacact tcgacctgcc tacaatctt caacagttaa ttccagctat tacctccttt  
180ataagatctt tcttagtctt cctagatcct cttagttcta cctacaaata ctttatttaa  
240ctttcaatat tatctgtgca cctctggctc tagccactac caatttaaaa gctttttgta  
300tgttatctat ttctcagtct gcttaaaaca aagaatacat aaatgaacgg cg  
352  
<210> 3039<211> 346<212> DNA<213> Homo sapien  
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60aaacaataat ttggtgtcgg gaaggtaggc gtcagccaag caaagcagga aggaacgga  
120ggagagggtg ccttgcttga atgggggac cgcaggggtt ttctgacct gtgcttcatc  
180tgtgtcatg tctaccttc ctcagtcag tcataaaatc cctgtttgc tgccccggc  
240tttgcttccc cacactgact atattagagt cctcatttgc agagcagcag tgcaagctaa  
300gtattttag cacagattaa agagactgag gagggctctg gggagg  
346  
<210> 3040<211> 335<212> DNA<213> Homo sapien  
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120tgaaaagtat gtatgactgt gatagaagat gtgaaaatac acattgattt tagagtacag  
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240tgagatggac tgtcgctctg tcgcccaggc tggagtgcga tgggtgtgat ttgggtcact  
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335  
<210> 3041<211> 375<212> DNA<213> Homo sapien  
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180tggtgacatg gacttcaaaa tagctggcac taataaaggga ataactgcat tacaggctga  
240tattaaatta cctggaatac caataaaaat tgtgatggag gctattcaac aagcttcagt  
300ggcaaaaaag gagatattac agatcatgaa caaaactatt tcaaaacctc gagcatctag  
360aaaagaaaat ggacg  
375  
<210> 3042<211> 389<212> DNA<213> Homo sapien  
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120caggagcgtg gttttctgat tgtgatctga gttctgccc caactgcaca gcagttgggc  
180tgcttgttaa aaatgcagg gcagatcttg gtgtagtag caaatattca aacgagaact  
240ttgaaggccg aagtggatca cttgagctga ggagttcaag accagcttgg gaaacatggc  
300aaaacccgtc tttatgtgcc tggaaatccca cctgctcagg tggctagggt ggatggatcg  
360cttgagccca agaggtggag gctgcagt

389

&lt;210&gt; 3043&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagggc aatgtgcagt acctgaaaag caggatatta tgaagaaact gaaggagatt  
60gcattcccaa ggacagatga attgaaaaac gaccttttaa agaaatataa cgtagaatac  
120caagaatatt tgcaaagcaa aaacaaatat aaagctgaaa ttctcaaaaa attggagcat  
180cagagattga tagaggcaga aaggaagcgg attgtcaga tgcgccagca gcagctagaa  
240tcggagcagt ttctgttttt cgaagatcaa ctcaagaagc aagagttagc ccgaggtcaa  
300atgcgaagtc agcaaacctc agggctgtca gagcagattg atgggagcgc tttgtcctgc  
360ttttccacac accagaacaa ttccttg

387

&lt;210&gt; 3044&lt;211&gt; 373&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggatac ggctgcgaga agacgacaga aggggtatgga  
60gtagttggag tgtattgctt agaacaaaag agatgagaca ctaacactgt gtgtatatcc  
120taaatcatat atcagtgaag aaatgtgatg ttgtcaacat cttctctggg gatgctaacc  
180ccctaagtc tttattaccat gcatgtaagc acctcaccta gatctgcact ccatttagca  
240gtgagaaatt ccaccataat ctacacacca taatatcatc aatgtgtcta gaagtcagat  
300cctctatgtg tgaaccaaga caatgcctgg caaacaagac agctgggctc tcagggtctc  
360gcaccatggg gag

373

&lt;210&gt; 3045&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agacgacaga aggggtcaca  
60cctgtaatcc tagcattttg gacgctacgg cataagcatt gcttgaagcc aggagtttga  
120ggccggcttg ggaaacagtg aaatcctgtt tctacacaaa ataaaaaaaa ttagtttgct  
180gtgggtggtat gcatctgtag tcccagctac ttgggaggct gaggtgagag aatcactcaa  
240acccgaagt tcaagactgc agtgaactat gatcgaacca ctgaacttca gcctgggcga  
300cagtgaagcc ctttctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg cccttttttc  
360cctaaacca accttgaaa

379

&lt;210&gt; 3046&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgcgctagt cctaaagagg aaatgtctct actctgcgtg gatgcagccc gcaccctggg  
60gccccgggta tttgggagat atttttgcag cccagtcaga ccgttaagct ccttgccaga  
120taaaaaaaaa gaactcctac agaattggacc agaccttcaa gattttgtat ctggtgatct  
180tgcagacagg agcacctggg atgaatataa aggaaccta aaacgccaga aaggagaaag  
240gttaagacta cctccatggc taaagacaga gattcccatg gggaaaaatt acaataaact  
300gaaaaatact ttgcggaatt taaatctcca tacagtatgt gaggaagctc gatgtcccaa  
360tattggagag cgttggggag gcggagaata tgccaccgcc acagccacga

410

&lt;210&gt; 3047&lt;211&gt; 396&lt;212&gt; DNA&lt;213&gt; Homo sapien

caaccgagat gaagtgaaag atgctgagcc ggaatccgga caattatgtc cgcgaaccca  
60agttggactt acagagagtt ccaagaaact atgacctgc ttacatcct tttgaggtcc  
120cacgagaata tataagagct ttaaattgta ccaaactgga acgagtattt gcaaaacct  
180tccttgcttc gctggatggc caccgtgatg gagtcaattg cttggcaaaag catccagaga  
240agctggctac tgccttttct ggggcgtgtg atggagaggt tagaatttgg aatctaactc  
300agcgggaatt tatccgtaca atacaagcac atgaaggctt tgtacgagga atatgtactc  
360gtttttgtgg gacttctttt ttcactgggtg gtgatg

396

&lt;210&gt; 3048&lt;211&gt; 358&lt;212&gt; DNA&lt;213&gt; Homo sapien

gcctacggct gtgagaagac gacagaaggg tacggctgcg agaagacgac agaagggtt  
60ctcaattttt cctttgacgc aaaanttact cactcagttt cttaaagaaat attttttaa  
120aagggttca gtatcgtta gtctctcat ctgacctgg ttgctcta atcggtgacatg  
180aaatgcaggc tttttaccat cgtaagcagc actaatatga acttggaat atttttaaca  
240cgcgaaaggc taacaagatg actcagcaat accaaagaca ggcctgaatg tccgttacta  
300acaaatactg aaaccctttt taaaaaatat ttatctagga actgagcgag aaattttt

358

&lt;210&gt; 3049&lt;211&gt; 413&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgcacgagga agaaaaatgt ttgtaatcta ttcatttgat aaaagaccaa tattcaggat

60attcaagaaa cccaaacaat tcaacagtaa acaaataagc ccatgaaaaa gtaggcacac  
120ttttttctatt tacctccata aatagacaat tgtcaaagag agacttacaa atggccaaca  
180cgaatatgaa aaaatactca atgttcccaa tcatcaggga aatgcaaatt ataaccacag  
240tgaaatataa tctcatccca gtttgaatgg ctattataaa aaagacaaaa aataaccaat  
300gctgatgagg aggtagagaa aaaggaactc ttgtgactg gttggtggaa atgtaaacca  
360gtacagccac tgtggagaac aatatgaggt ttttcaaaaa actaaaactc atn

413

&lt;210&gt; 3050&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac aaaatgaagc tttaaaacag ataaaaagaaa tctacaattc cccatttaag  
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300tggttgttga aaaatttttg cctacaggga gggaaactac taaagtctct ggggaaccaa  
360agtaaaattt cttaaaaaca aaagggaggg agaggaga

398

&lt;210&gt; 3051&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgag agaagacgac agaagggggc cctcagtgg catgttccgg tctcccagg  
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120gtactacaac agctacagtg tgtcatagag ctggaggcgc cccgtccggc cagccctcgc  
180gccctctcct tctgtgcct tgagtggcag aggagccgtc cagccacacc agctttcctc  
240ccaccgctca gggcaggag gtctgaactg cggccccaga gcctttggcc taagctggac  
300ctctcttctc cgagtgcgc ctctatcccc ttcccacgt

340

&lt;210&gt; 3052&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagaattcc agtttttctc acatcctcat caacagttgt tattgtctgg  
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383

&lt;210&gt; 3053&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180tttttaaatga gtaacataac cacaccgacg gggattggtg aaggaggat ggaaaatcta  
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300ggatgggact gcaagaaaaa tcttgaggcc aggcgctggt ggctcatgcc tgtaattcta  
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415

&lt;210&gt; 3054&lt;211&gt; 421&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa gaccttggat caaaaggaag cttctatacc tttttcttct tgccttctc  
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120ggggaaagga ctctgtcccc ttggggctca tcacccttcc acatcctcct cctcgttgcc  
180ccctggtcag gcagcttctt tttttttt ttaaaaaggg atttttgttt tgtccccag  
240cttgaaagcc aggggcccac tctgggttaa tggaaaactt tgctccgga ataaaagcaa  
300tactccggcc tcacccttta agtaccggg aataacgggg cccctcccc cccccgggt  
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420g

421

&lt;210&gt; 3055&lt;211&gt; 162&lt;212&gt; DNA&lt;213&gt; Homo sapien

acctatnatg gaattcta atgtcattat tttaattggt aatcgaaata tgctctatag  
60agaatatat ttttatatat tgctgcagtt tccttatggt aatcttttaa cactaaagga  
120acatgacata atcataccat agaagggaac acagggttacc at

162

&lt;210&gt; 3056&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgtctgtc gggctgtgag gcgctgggga atctcaaaaa acttcagccg gggacaatca  
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360ctcagggtc agagtcttca t

381

&lt;210&gt; 3057&lt;211&gt; 400&lt;212&gt; DNA&lt;213&gt; Homo sapien

nnnaccagat gaagtgttg atgtgtacaa agccccactg cagggcgacc acaatcatct  
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120cagacctcac tctacggaca gtgccacaca tagaaagatg actctgtcac ttgcagatag  
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400

&lt;210&gt; 3058&lt;211&gt; 335&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtc ctatgttct gataacctga tactgtccg  
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180tttaacttaa ttggctattc taaagagtcc ccctcaccca atgtttgatc attggagccc  
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300tggtaatgta tgctggagca ttcttcttgg aaggg

335

&lt;210&gt; 3059&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagca ttgctttgct tgtgcatttt gtccaattct tggttcaaaa tgccaaaac  
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300actgcaggaa gtgagctttc ttctaaaaac ctactggcc caagaacaag ccagggaag  
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387

&lt;210&gt; 3060&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg tgtggagagg gcagtggccc tcatttatca ctctgacctt cacagggaca  
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120tgggctggac ccataaacta agttatatcc gggaaaaaaa aaaaaaaaaa aaacccctt  
180aaaaataatg gggggggttt tcccgaacc ccaacctgaa aaaaaccctt ggggggttgg  
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300tggttttttt tggaccctt taaaccgga aaaaacaagt taacccccac aatgggtttt  
360ttttttttt ccaggggccc gggggggggg ggggg

395

&lt;210&gt; 3061&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ctgggtgttag ggtactttgt ttttgagggt tggcagagat gtgtttaaga gctgcggctc  
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120gtggaagaag ttcaaggacc tggagtgtt ggtgaatttc caatcatcat ccaggtcgg  
180gtatatgaat acacaagctg taccacattc tctacaacat caggatacat ggaaggatat  
240tataaccttc attttcttta ctttaagac aagatcttta atgttgccat tcccggattc  
300catatggcat gtccaacatt caggtgtct atagcccgat tggaaatggg tctgatgaa  
360tatgaagaga tggacaaga ggaggaggag gaatatgag

399

&lt;210&gt; 3062&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgacccttgg actctcagac accttgaggt tcagcagagg aaaaaggtag caaaaagaa

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399  
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385  
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334  
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422  
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421  
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398  
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420t

421

&lt;210&gt; 3069&lt;211&gt; 386&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaataaaac attttactta aacacaaaga gcatcagtga cctgtgggac  
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240aaatattgcca aggtcatca taacttgctg gaaaccagt ttaaaaagaa aatcttaa  
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360ctcattggaa acaatgccag taagca

386

&lt;210&gt; 3070&lt;211&gt; 415&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggaggaacaa ataaacactt atgacatata gaaaacaaaa agttagaatg  
60gcagaagtca gtccagcctt atcaatagta acattaaacg tgaatagatt taacaattca  
120ttcaaaagac agattgttat attggatcag aaaacaagat ccagttatat gcagcctata  
180gaaaacacac tttcaattca gagataaaat aggttgaaag taaaggacag aaaaagatgt  
240atcatgcagg cagcatccac gagaaagctg gagaggctgt acttttaaaa agttggaggg  
300acagagtctc actctgtcac ccaggctgga gtgcagtggc acgatcagct cactgcaacc  
360tccacctccc gggttcaagc aattctgat cctcagcctc ccaagtaatt gggat

415

&lt;210&gt; 3071&lt;211&gt; 411&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagac tgaccatgcc ccttggacaa gttatttagt ctcccggagt ctgtttgctc  
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360cgttggaagc tggcccagggt acaagtacaa aaagactcta aagaagctgt t

411

&lt;210&gt; 3072&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120accttaattt aattacaaaa gtctaccctg tgggtcatga aataggcagg cctatgaaga  
180aaggcctttt actcttccag catgcaagct cagaaccaac acattactct ctgtgcctaa  
240tggtcctcaa tgtggttgat tttttttttt aatttataga gcatttcggg ggaggtgtgg  
300ggagtttctt nnnacattta tctccnnntt acaaaaattt gaggtgcaaa ggaaggccc  
360gatttttttt ttaatgaatt tttttttatt agatctcgag gggtat

406

&lt;210&gt; 3073&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggt aaaacacccc ctacatgttc caattctggg cctgtcttct atctatcttt  
60gcccttctgg tccgttccct gttctgagcc ccagggaact tagggctgaa agtcaccccc  
120gaagcctcag accagatcgg gaggccacac gcagctcatg gggacagagg gccaggggtg  
180acggtccact catgagaagt gctatgtgac tccaggaggt ctgtccctct ccgggctcca  
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409

&lt;210&gt; 3074&lt;211&gt; 406&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccaggn tgtccagagc gttgttcac tctacagct cctcagcgt ctgcagggtg  
60tggtgctgca gcaggacagc tacattgagg accagaaact ggtgctgagc gagagggcgc  
120tcaactcgag cttgtcccgc ccgagctccc tcattgagca ggagaagcag cgcagcctgg

180agaagcagcg ccaggacctg gccaacctac agaagcagca ggcccagtac ctcgaggaga  
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406

&lt;210&gt; 3075&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ctgatgttg cctaggggaag ggacggtact acagtgtaaa tgtgcccatt  
60caggatggca tacaagatga aaaatattac cagatctgtg aaagtgtact aaaggaagta  
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180gatcccatgt gtccttttaa catgactcca gtgggaattg gcaagtgtct taagtacatc  
240cttcaatggc agttggcaac actcattttg ggaggaggag gctataacct tgccaacacg  
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399

&lt;210&gt; 3076&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

atcccatcga ttcgaattcg gcacgagcta accaggacgg cccagtaggc agagctcatt  
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420aagct

425

&lt;210&gt; 3077&lt;211&gt; 404&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt ttttgtttt aagagatggg gtctcgctgt gttgcccagg ctggaatgca  
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300agtgtccaat cttttgggtt ccgtgggcca cattgggaga tttgtcttgg gccatacata  
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404

&lt;210&gt; 3078&lt;211&gt; 376&lt;212&gt; DNA&lt;213&gt; Homo sapien

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360cctcaatttc gactcn

376

&lt;210&gt; 3079&lt;211&gt; 326&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaaggcat ctataggaaa aagtctttcc ctatggaagc  
60tactccctta aactagaaga ggcgactgtt ccaccagatg cacagatatc aacataaaga  
120cccaagaaac acaaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac  
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300ataagagaat acagaataac aattca

326

&lt;210&gt; 3080&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gaccactacc accaagacgt ggagatcgac agtggcccct aaagcctggc  
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393  
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390  
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120ccattataaaa ctgcaataaa ctggctagct acgacaattg catatcttgt atgttacaag  
180attaagggga ggagcgtgga ggcttagctt anagtcacaa aaggagaact tgaaaaacaa  
240atgcaagaaa aatctgacca gctatagatg catcatgcca aaataaagga actagaagat  
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349  
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240ctctcttagct tagggaagct tgcccctaga gcagcatctt catagtatgt ttcccaaac  
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410  
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180cttggcctcg aggtatgaat gcgcagcggc aattctccat tcccctctga tgtctggttt  
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390  
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424  
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120aagacgactg aagggtacgg ctgcgacaag acgacttatg ggtatcggct gcgagagacg  
180acagaatggt acgggtgctaa aagacgacag aagggtacg gctgcgagaa gacgacagaa  
240gggttacatt acatgatgct tcaatactag ataaaccagg cttttgtgtc aaagctagat  
300tataggattt ggagtttaac tttcttttcc cagcaaggta gtggccatct gagtcagctg  
360gcaaaaactg ggaggattag tgatcaagaa attgt

395

&lt;210&gt; 3087&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcaggt gaaagcccaa gttagatgt gcattaagta ttaaataagca cagtatcttc  
60ttcatggagc cttttttcct ccccatccc ctgcagctgc ctttttttgg gggaaggggg  
120ggaaggtttt ttgaacttta aaaaattaaa aatatagctt attgaataac cgccataaaa  
180aatataaatg cgaatatcat aaaactcata ctgctaaact aaattttttt ttttcttgt  
240aacggagtca taactatgat accaggctgt agtgcagcgg cagatcttg gtatattgaa  
300agctacacct tccgagggtca ctccatcatc ctgcataaac cgtataagta gctggcacta  
360caggtgacag ccaccatata cagctaattt ttttgtgtt tttacaaaaa gagagagaaa  
420aag

423

&lt;210&gt; 3088&lt;211&gt; 409&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcagcagag atggctcatg ggccaccaga agcattactg tattattagt atgatttaac  
60ctggacatgc attaaagggc ctattacctt tctttccgtc tgcccaaca gctgagaagg  
120ggccgccaag gagtccaac cttttgctcc ctccatctg ggagtgcgg atgggagagc  
180gtgcgccaag gagggggcgt ctccctggctg gcaaggaggg aaaggcagcg agaggtgcgc  
240gcagggttggc agtcgtcagc aagctggcaa tgagaaggct ccgaactgat gaatggaaac  
300ctgctgagct ggagggcgt aggtgacct tgccgagcat ctctgacagc aatcggcaca  
360gtctctttg gaatagagga aagaagctaa acccaccgc cggaggatn

409

&lt;210&gt; 3089&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120ggcaaagacc cctctgaaac caaagagcaa gtatcaccgc ctgacacata aacttcatga  
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240aacttggggc caaataaagg tcttatccca tcaacagaaa aatcattaag agaaaaatga  
300atccccaaaa cgacagtctg cagatcccyg aaggaatccg aagacaagtc caaagtcaac  
360gacaagcaat gatggcaatg gtgatcctag ttaataaaaa gcggggagaa tgtgtgg

417

&lt;210&gt; 3090&lt;211&gt; 337&lt;212&gt; DNA&lt;213&gt; Homo sapien

tttagcctg cgagattact actgaaaggg cagccttgac ctccataggct aatggaatcc  
60tcccacctta gcctctccag tagctggaac tacaggcatg catcaccatg cccagctgat  
120tttaattttg taaaggcagg accttctat tttcccagg ctgatctcta actcttggcc  
180tcaagcaatc ctctctctt ggccctccaa aatgttggga ttacagatgg gagccccat  
240accaccaat cacaaggatc tttataagag aatgaggcag gagagtcaga attatagaac  
300gtgatgcggc aatggaagaa catgtcaag agggacg

337

&lt;210&gt; 3091&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtac ggctgcgaga agaccacaga agggtagcgg  
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120gatcccgggtg acagttgctg tgggaatttc atgctgggca cacttgaggc ccaaagctcc  
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240gagaggggaga caggaggagg caggaagggg gcagggcctg tcagatggat ccctgacaac  
300catccgtctc aagtccgagg taacctata tctttgcctc agcagatagg atgactttgt  
360atgtagggcc ttacg

375

&lt;210&gt; 3092&lt;211&gt; 428&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccactgaaac tctcggaan ccnnnnncc ccactgattc gaactcggca cgagggacag  
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120ctggacttga ctccctggga tcccaggaag ggcacaccct ttcctacca cccgagtga  
180cgtgcccc tcacagagac ctctttgcc cctggccctt gggtagccg cctccggcc  
240agcgccatct cccgccttg gtgctgcccc cgggcgttac ctgctctctc ccagcgccac  
300ttggcctctt cctctctctc tccctccca tgcctctctt ccactgcgc ctcccttgc  
360tgaacttccc aacgccttcc tatctcttcc caactcctt tccccaaat ttactttcc  
420ttctcagg

428

<210> 3093<211> 384<212> DNA<213> Homo sapien

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120aaataactcaa atacctgagg ataatttgct caggagtcaa agtgataaac tagtttaatg  
180aattaaagca tggttttcca tgacaatttt taattacatc ctttgccaag acctctagaa  
240aattacacct gctgagcaga tatcccaagg agcatgtgct attttaagat ccccttggtt  
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384

<210> 3094<211> 345<212> DNA<213> Homo sapien

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120cctccccctct ggttgggagc actgaggaca gtgaggaggg cttttacctt gttaatcctt  
180tccttatttta gctagctttc ctttttgtct agggcttcct cttgagaccc tcttccatcc  
240attgggcctt tgaaaggact aatcagacac acacacacac acacacacac acacacacac  
300actcgcatat tcatgcacat tttccttcat ttccagatcc ttttag

345

<210> 3095<211> 425<212> DNA<213> Homo sapien

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120aaagtggctc aatagtcaaa gacaggttta ttttgaagaa taaacctgag aggggcttct  
180ggctgatttc ggtcaggagc atgttctctc acagactaag attatttaag ggttcaggga  
240gagacagctt atgacaggct tggaaatgtt ctgtgtaagg gagaagtta tggcgggggt  
300ggaatgtctc tggtcagagg ggaggtgacc ttggggctga catctctcct gctggagagg  
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425

<210> 3096<211> 402<212> DNA<213> Homo sapien

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120gccccatctc tgccccaggg cagggtccagg ccttggaacc cgcctagcgt aggctagtgt  
180gtatccctgg aaccagaaga gtaggttggt gctctggagg cctcaaagga cccccgctag  
240actctgtgat cccacgccc cagaacatgc gtgggcgcta tgaggcaagc caggacctgc  
300tgggcaccct cggaagcag cttaacgaca gcgagagtga gcggcgggcc ctaggaggaac  
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402

<210> 3097<211> 386<212> DNA<213> Homo sapien

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120gccagcccca ggagcccgtg agtgtgcccc agacactgac tagcacgctg gagcacattg  
180tggggccagct ggaatgtctc actcagacag tctccattct ggagcagcgg ttgacactga  
240cagaagacaa gctgaagcag tgtctggaga accagcagct aatcatgcag agagcaacac  
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386

<210> 3098<211> 407<212> DNA<213> Homo sapien

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120ttttttgttg cccaggcgga agggcaaggg ggaaatttgg gtaaatggaa cctccccctt  
180tcgggggttaa agggattttc tggcctaacc ctcccaagaa ggggaataa aaaatctgcc  
240cccccttccc aactaaattt tgttttttaa gaaaaaacgg ggttttctct tgtgggcaag  
300gggggtctta aactcttgac ctaaaggaat cggccacct gggcctccaa aaggggcgga  
360ataaaggcg gaacccttg ttccaaaagg aaattttttt ttaatag

407

<210> 3099<211> 426<212> DNA<213> Homo sapien

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240taagattaca ggtgtgagtg accacgcccc gccaaagtct cttaataagg cagccccgctc  
300ttgggtggtat atgcttgtta ttccagctct ttgagaggct gaggtgggag gatgatttga  
360gatcaagagt ttgagactag cctaggggaa acagggagac cccatctcta cataaaatta  
420aaaaaa

426

&lt;210&gt; 3100&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

ttcgaattcc gctgctggcg acgatttgc ttagggctcg ggcnnctac gtagcagagc  
60aggtccctct ctgcgatcta ttgagagta gccctcgaca caagggttg gacactttta  
120agaacaaaag atagttttct gaacattctg tgcctgcct gtctcctgtt gattcgcaga  
180tgtaatatcg agtattcatc aactggctct aatttcctga acacattcac tgtatccctc  
240attgtaaccg ttatccccct gcttcaaaat gtgccagttc cacttggtta taacgttggg  
300aaaatgcagg tttatgaatg atgtggactt ttagaggatc aaatcaataa attggatttt  
360ttattttttg agggg

375

&lt;210&gt; 3101&lt;211&gt; 388&lt;212&gt; DNA&lt;213&gt; Homo sapien

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120cccaagaaac acaagaagc aaaaacaaaa cgaaacaaaa aacacacaaa caaatgaaac  
180gaaacacaac acttccaaat gaacataata attctcctgt tacagaccct aaagaaaaga  
240aaatctatga aatactaaga agaacttgaa aataatgatc ttaaggaaac tcagtaagat  
300ataagagaat acagaataac aattcaacaa aatcagaaaa acaatttcta aactgaaaga  
360gaaattcaac aaggatggag ataccatn

388

&lt;210&gt; 3102&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tactctttca ttactcaag aaatgatttc ttgagttccc ggcctttgtt  
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120gtttttccaa ggtacaggat gccgcgcctc ctaggagccg aagggacggg aggcgcgcta  
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240tggttgagga tctgttgacc gggcatgggt ggtagaagga acgctccgag cagaagaaaa  
300gtggctgtcg tgaagacatc tgcgtgtgcg ggggtgcgtg gtgcctggag atgaagctgg  
360aaagagctgc tgccaaagg gagcaaggag gaacagcggg attacgtctt ctacctg

417

&lt;210&gt; 3103&lt;211&gt; 340&lt;212&gt; DNA&lt;213&gt; Homo sapien

tctatcggct gcgagatgac gacagaaggg tacggctgcg agaagacgac agatgggtac  
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120acttaattag ggtgcctcct acctcttaca caaatgaaat gctttgtgac aggtattctt  
180cctcttgaag ggttttttta agaaaaaaaa taatttttaa ctgtatacta gataatctga  
240gattgcaaaa ggagcaccag ataaggagg tgttaccatg ctgtgcagca gaagaaggct  
300tataattaag cgtactacac tttaatgctg gggttattcg

340

&lt;210&gt; 3104&lt;211&gt; 351&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggtag ggctgcgaga gacgacagaa ggtacggct  
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120ttacaacctg ctttctctgc tgaagcetta cctcctcttc agtttcctc ctagacacaa  
180atcgaaaata atatactgat agctgggttag taacctcagt aagaattaaa actgaggggtg  
240tttactcatt ttgcctttta atcttttatt cccttttggg gaaggtttcc ctttaggaaa  
300aaagggtgca aacaacctg agtttttttt ttttggcacc atttttataa g

351

&lt;210&gt; 3105&lt;211&gt; 342&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggaga gaaccatgg aacatcttaa caaagaaaag  
60atagagttgt aataggattt gggagaatag tggagtttat gtgaaattta acaaagcat  
120gtttttgata ggctaaaagc agtgtaaagg tgtgtaaagg ggtcaacatc aggtctgaac  
180tgtcaatcag acccagggtt ctgtttgctt ggaaactaca aagttaacat aatgtggga

240tttttgtctt caaaaacttc ttctttgaag ctctatacct tggttgtaaa ttgaggctac  
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342

<210> 3106<211> 395<212> DNA<213> Homo sapien

atccgatgct gccgaaacca caaagctaca tactgaccct cttttttttt gagacggagt  
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120gtttcccggtt ttcaagggat tctccggcct cagcctccca agtagctggt tttataggag  
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240ccaagctggg cttaaatac cctcttattt ttaacttggg tacctgctat tctgcaaaaa  
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360cagtgtctag cttactaaaa aaagagctgt atata

395

<210> 3107<211> 160<212> DNA<213> Homo sapien

gaatttccta cacaaccctg gtattcatcc cccagacggt taaattgtgc ggaaatatct  
60agtacagct ttcattgtac agaccagcc ccttgctcta cctctggagt cacagctgga  
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160

<210> 3108<211> 422<212> DNA<213> Homo sapien

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120tttgggatat tgagacaggc cagtgtttac atgttttgat gggtcattgt gcagcagtc  
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240tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact aatagagctc  
300attcattaca gtttgatggt atccatgtgg tgagtggatc tcttgatata tcaatccgtg  
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422

<210> 3109<211> 154<212> DNA<213> Homo sapien

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60gtttttgacc caagaagatg cagcagctgc tggggatgc agaccagccc ctgaccctgg  
120atttatccgc tgattcagat gaagcccttc gaag

154

<210> 3110<211> 351<212> DNA<213> Homo sapien

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120tgccgcttcc gcattgaagg ttcttggcct gttgcagcca tgggtcattg cacttgcgtg  
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240agaacctgct attgccgatt acgcatctac aacattacag cctgaacttg gaaagatcat  
300gtctcagtga ttcaaacaga tattagtagc tgatcttccg gctttaatat a

351

<210> 3111<211> 391<212> DNA<213> Homo sapien

gacccttgca ctctcagaca ccttgagggt catcagagga aaaaggtagc acagaagaat  
60ttgaaccgag ggcctgatga aacagtgcag ttccacataa cccaagcctt gaacattttt  
120caagagaaaa agaacggaca gttccatcta ttgatgtttg agaaatcaga tgagattaag  
180tgagagaaga aactattgcg ggaactaaat gatactaact tactaacaca aagaaggaaa  
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391

<210> 3112<211> 396<212> DNA<213> Homo sapien

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120cggagcttat gagaggtgtg aattcatgga cccatcctgg aatcagaatc agggccact  
180tctgcatcag aagccctggg tggcaccagc aagtgttttg caagcccttg agaagcagt  
240tcttttgaaa cgtgacctgt gccccaggca ccagatttac tccccgagcc cagcaggaca  
300tctgcatata acacacagcc gaagtcagaa aatatatttt tggtagctaa acggagcacc

360tggagtacat gataacacac acacacacac acacac  
396  
<210> 3113<211> 179<212> DNA<213> Homo sapien  
cgttgctgtc ggagagacag aaggaaactgg cgacagtggc ctcagggccg ctccggggggg  
60cctcaagaac cggaggcagc cccggagggt gccgcgggag gacacgccag aggaggaggc  
120cggggaatgg ccgcgggtgtg gcagcaagtc ttagcagtgg acgcgaggta caacgcgta  
179  
<210> 3114<211> 352<212> DNA<213> Homo sapien  
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180cgacagaagg gtacgggtgc gacaagacca cttaagggtta ccgctgcgag aagacgacag  
240aagggtaccg ctgcgggtaga ccacagaagg gctattgcat gccagcagct atctggggcc  
300ctgggacatc tgtgccagtc cttgagcgcg gagccgctcc agccaccgtt ct  
352  
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404

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372

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387

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342

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393

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325

&lt;210&gt; 3127&lt;211&gt; 325&lt;212&gt; DNA&lt;213&gt; Homo sapien

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325

&lt;210&gt; 3128&lt;211&gt; 375&lt;212&gt; DNA&lt;213&gt; Homo sapien

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375

&lt;210&gt; 3129&lt;211&gt; 377&lt;212&gt; DNA&lt;213&gt; Homo sapien

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377

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337

&lt;210&gt; 3131&lt;211&gt; 336&lt;212&gt; DNA&lt;213&gt; Homo sapien

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336

&lt;210&gt; 3132&lt;211&gt; 379&lt;212&gt; DNA&lt;213&gt; Homo sapien

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379

&lt;210&gt; 3133&lt;211&gt; 338&lt;212&gt; DNA&lt;213&gt; Homo sapien

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384  
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372  
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373  
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374  
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372  
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381  
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240ctgctagaag acgacagaag ggtacggctg cgagaagacg acagaagggt acggctgcga  
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395

<210> 3153<211> 374<212> DNA<213> Homo sapien

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240gggtacggct gcgagaagac gacagaaggg tacggctgcg agaagacgac agaaggtgga  
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374

<210> 3154<211> 375<212> DNA<213> Homo sapien

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375

<210> 3155<211> 410<212> DNA<213> Homo sapien

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410

<210> 3156<211> 376<212> DNA<213> Homo sapien

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376

<210> 3157<211> 411<212> DNA<213> Homo sapien

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240aagcacggac agagaaggag gagaagctga gccaggccta tgcaatcagt gctgggtgct  
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411

<210> 3158<211> 384<212> DNA<213> Homo sapien

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240tgagacgca gctgcaacaa attgaaacca ggaacagaga ctcctgtcc gaaaataacc  
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384

<210> 3159<211> 439<212> DNA<213> Homo sapien

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439

<210> 3160<211> 373<212> DNA<213> Homo sapien

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373

<210> 3161<211> 369<212> DNA<213> Homo sapien

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240gggtacgcct gcgagcagac gacagaaggg ggagcctcat ctgcaatgta ggggccggcg  
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369

<210> 3162<211> 421<212> DNA<213> Homo sapien

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300ggaaggtctt tgtacaaaag ggaaagttt aaaaaaaagg gcgggggaaa aaaaaacgga  
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420a

421

<210> 3163<211> 398<212> DNA<213> Homo sapien

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300ccccttctct caccaaagggt tcggagctgg cgnggggctg aggtgttcac gaacagtcct  
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398

<210> 3164<211> 396<212> DNA<213> Homo sapien

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240tgtactagac accctaatag atatgtgcgt gcttgaagga ctctcaaaat ggacaagcca  
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396  
<210> 3165<211> 408<212> DNA<213> Homo sapien  
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360ggatcggctg gtgtgccttc agggaggaag agggaggtgg tcaagctt  
408  
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457  
<210> 3167<211> 397<212> DNA<213> Homo sapien  
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397  
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334  
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360ctggccacag ttcgaggagt ggtcctn  
387  
<210> 3170<211> 408<212> DNA<213> Homo sapien  
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240gggggttttt ctaatttggg gaggaacccc cccttgggtcc aaaagaaaaa ggcgttaaaa  
300aagaattcca aaaggaaaac cttggggggg gcccaacggg ccccggtgcc aataaacttt  
360tttctgggga acgggagggg gagaacctcc ccccccttcc caaggcgc  
408



<210> 3171<211> 405<212> DNA<213> Homo sapien

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300caccctgccc cagtacaatc ttttttgaac tcaaattttt gctgacatct gagtgcacac  
360accacagtgt aaattatgcc ttatcagaat ctaaataaaa atagg

405

<210> 3172<211> 400<212> DNA<213> Homo sapien

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300gtttatgaat gatgtggact ttttagaggat caaatcaata aattggattt tttatttttt  
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400

<210> 3173<211> 478<212> DNA<213> Homo sapien

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300attattaaca tgtgtagagg ggttaagaaa gccaccttgt tacaaatttt ttaatttcca  
360aaataatcta tattaaatga gggtttctga tctgtacttt gtgttttagct acctttttat  
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478

<210> 3174<211> 412<212> DNA<213> Homo sapien

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240aggcattcct gaagcatgtg ctttcagccg ctacaagagc agaagcagtg ggcattggat  
300ggagctgagt acaggaccat acaggctaatt tgcaccggca caggaatcgg atataacatt  
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412

<210> 3175<211> 171<212> DNA<213> Homo sapien

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171

<210> 3176<211> 384<212> DNA<213> Homo sapien

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120cctttttatgc tttgataatt agcagtttgt ctacttggtc actaggaatg aaactacatg  
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384

<210> 3177<211> 393<212> DNA<213> Homo sapien

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393

&lt;210&gt; 3178&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggtttgagaa ttccaggctt ctgcagcctc caaaagggtg tcttctctat  
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120cgatttatta accttcagcc ttcgacactg accgataagt ggtatggaga atctcagaaa  
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300aaagctcagt ttatgagtct ctgggatgga ttggatactg atcacagctg ccaggtcata  
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389

&lt;210&gt; 3179&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg cggagggtgc agtgagccga gatcatgcc a ttgcactcca gcctgggtga  
60cagagtgaga ctctgtctca aaaaaaaaaa aaaaaaaaaa ggggttccca tttttgggg  
120ggtataggaa tatatggggg ggggtctatt tcttttttta tataaccttc cccccggg  
180ttttgggttt aaaagtccg gttaccccca aaccaaagt ggttttttac ctttggagtt  
240ttttttttgg tccccctttt tctttccaaa gggggaaagc ccccaaatac cagggtcttt  
300aggagggggg gtttagccaa acccacccca gggcaaattt ttggggggaa acctgaaagg  
360gggaaaatat ttggggccct tgccttttgt ccaaccatcc tgaaaaaac ccactttgtt  
420tttaaa

426

&lt;210&gt; 3180&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgatgctgac ggcccgttgt ccccgagtc cccgacggga gcgccatggc ccagccgccg  
60cccgacgttg agggggacga ctgtctcccc gcgtaccgac acctcttctg tccggacat  
120gctgcgggac aaagtggcct tcatcacagg aggcggctct gggattgggt tccggattgc  
180tgagattttc atgcggtgag actgctctgt gtcccttccc tgcctctgc ttctcctgc  
240ccgggccctg ctggatgcc gacccttga aagatgttg tgggaggtag atgtccctg  
300ctcacctacc cgacaggatc cagggtgcctg ccagagggac tggggagcgg tcgaggattg  
360ccctggggga gtcaggactt caa

383

&lt;210&gt; 3181&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggagatttgc ttattattgt tgtactgctg ccatttttat tgggtttga  
60ttattggaat ggtgcgcata ttgtcactcc ttctacttgc tttaaaaagc agagtttagat  
120ttttgcacat taaaaaattc agtattaatt aaacattact tattctaccc tcttttttgg  
180caaggaggac aaatacgcaa tgttggaata ccttggatgg atatcttctc tttaaaaaaa  
240tgtaaagata atttggtctt gaggttttaa acggttgata atgcctctac aacaacaaga  
300aaaaagataa aatactagga tagaatcatg gtgggcacag tggcttctca ngaggctgag  
360agggaggtt tg

372

&lt;210&gt; 3182&lt;211&gt; 372&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat taacctcaga aatcctgtct ggctggcaga tttcaagtaa aaaaaaaaaa  
60aggggggggtg ggggggaccc ttttttttct agtggccttt agggaaaaaa aatttaactt  
120tttttttggg tggggccaaa tttttaagaa aaaatctcca attggtttcc ctttgaacc  
180gggtaaaggc taatacttgc cacttttaaa ggagggggggg aaaacccccg ggtttttttt  
240ttaaaggaaa ccccttgttg gggggcgggc cccttaaggg gggggggggg gtttttttcc  
300tgggcccttt tggggatatt aggggtactt ttgcaaacct tccggggggg tttaatggga  
360aaccactacc cg

372

&lt;210&gt; 3183&lt;211&gt; 389&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggatgtcct caacacccag tgtggctacc acgttcggct caaactggag  
60ctggagcagc agggcttcat ccacaccaa ggctgcgtgg gccaaactga gaagaggctg  
120caggacaacc tgaatgtgtt ggcgggagtc ttcatgggca tcgccctcct ccagatcttt  
180ggcatctgcc tggcccagaa ccttgggagt gacatcaagg cagtgaagc caactggagc  
240aaatggaatg atgactatga aaaccactgt gttacgcca ccatttgcga ggtcctgtcc

300acggtggggc ctcaacagaa ctctctgact gggggccctg gcccggaccc acccagacga  
360catgttttct ttggcctggg tggatatag

389

<210> 3184<211> 451<212> DNA<213> Homo sapien

ngacatcctt tacggccant cgntnttttn tgaggaaccc atgcgatgcg aattccgttg  
60ctgtcggaaa atcagaaaga gtttttattt tactagtat ttacaagtat gccctggaca  
120gagtttcaaa acaagatgcc caggaactct ttaaaaatta taccatcttt gagaagaagt  
180ttgggtgatag gcggggtatt gaagatatca ttgtgagcaa acggagattc cagtacgaag  
240aagaagtga ggcgaatcca cacaattatg atgcattggt tgattacttg cgcttggttag  
300aaagtgacgc agaagctgaa gccgtgagag aagtctatga aagggccatt gccaatgtcc  
360cacccattca ggagaagagg cactggaagc gctacattta tctttggatc aactatgcac  
420tctatgaaga attggaggga aaggatcctg a

451

<210> 3185<211> 409<212> DNA<213> Homo sapien

ggcacgagaa caaagccacc caaactgctt cttctgtcac agattcgttc ccacctgcac  
60aggagcgagc ctacttggac gccggagccc gacacacctc tcgattactg ctatgtgcgg  
120ccaaatcaca tcccaatgat caactccatg tgtcaggagt ttttttggcc tggcattgac  
180ctgtctgagt gtctgcagta ccagacttc agtgatggtg ctctttataa aaaagtcac  
240attgcctttg gcttcattggc tctgtatgtg aaatacaatg aagcttacat ttcatttttg  
300ttcgtccacc ctgaatggag aagagcaggg attgcaactt tcatgatcta tcatctgatt  
360cagacctgca tgggcaagga cgtaaccctt cacgtatgac caagcaacg

409

<210> 3186<211> 396<212> DNA<213> Homo sapien

ggcacgaggt gactctaggt ataggagtgt ccaggccctg ctcacccagg ctagagctta  
60tggagccaga aggaaggagg tgcattgttg ggtgcaggac aggaggaaa aatactcgaa  
120ttgcaagggt agggcacagt ctgtttatat tgggttgaat taactcttct cccgatgcca  
180ctaaagcagg aatcacactg cagatggcac tgatttgatt ggcaagagac atgccaggaa  
240gaatattaag ggaccaggcc cctataatta ggctaataa tagcctgttg tttgaaaagg  
300gcatgagggg cattcatccg gcctggcaact gtgccctaga cctgctctcc tgggtagtgg  
360ggccctccat tgcaacagag gtgtgggttg gcctgg

396

<210> 3187<211> 412<212> DNA<213> Homo sapien

ggcacgaggg aggccgctgc cgtcgcgcgc cttggttttt ctgttccttt ttttttttt  
60tttttaaaac tcttggttaa aaccccccca ctttaaccc caaaaaaat taattacaac  
120cggggccctt tggcccaaaa atggccttaa ccctaaaaa tggaaaattt ttgtcctaaa  
180gaaccccccc cccgggaaaa aacggggggc cttttttttt gcaaaagggg ttaatccgg  
240accacttgtt tttttgcaag gccggcttgc gtttgcccat tggggaattg gggggaaatt  
300gcccttgtct tgtttggaag ggggggggtt atttccctgg gaaataaagg gtggtttctt  
360tttttataaa aaaaacttgt tggaaaacaa acctttttat attactttg an

412

<210> 3188<211> 404<212> DNA<213> Homo sapien

ggcacgagga gagagagcgc gagagagagc gcgtgaggca gagagagaga gagagcgaga  
60tggagagaga gagcccgaga gactgtgaga gagccagaga gtttgagcgt gcgcgagcga  
120gagagagaga gagagagatg gagcagatga ctgtgacagc ctacaggagg aaaagcacgg  
180cttacagaag gatgtttcct tcttgaggaa gcagcactat tagcactctg agtcaagatg  
240agtgggaaac catctcaata aacacatttt ggataaaaaa aaaaaaaaaa aaaccggct  
300ctcggccctt taaaactatg gggggccttt ttccttttat ccgggggggg ggaaaccttt  
360gttgggttg ccacccccct ttttaatggc cgggaaaaat agtt

404

<210> 3189<211> 334<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggac cagcaaaaaga aggaggagct gctgaatgcc  
60atgggtggcaa aactggggaa ccgggaggac cactcccccc aggactcctt tgaaggcgtg  
120gacgaggacg agtgggacta gcctgcgccc ccgtcacctc cacctcacct gtgctgccac  
180ttcctagtgc acacctcacg gctcactctc aagctggaag atacctctct ggccccggca  
240catgtcacc ctgcactcct gccttcccgt gggcacttcc acatcctctg ggctctggc  
300agttcccagg gactgttttc acctctgctg tctn

334

&lt;210&gt; 3190&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa aaagcagagt ctgctctact ggccatcatg cgtaaagggg tgctgaagga  
60cccagagatt gccgatctat tctacaaaga tgatcctgag gaacttttta ttggtttgca  
120tgaaattgga catggaagtt ttggagcagt ttattttgct acaaatgctc acaccaatga  
180gggtgggtggca attaagaaga tgtcctatag tgggaagcag acccatgagt tgggtgatgga  
240atattgctta ggctcagcct ctgattttatt agaagtccat aaaaaaccac ttcaggaagt  
300ggagatcgct gccattactc atggagcctt gcatggacta gcctacctac attctcatgc  
360attgattcat agggatatta aagcaggaaa tat

393

&lt;210&gt; 3191&lt;211&gt; 385&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga aagctagcag attcttggct tagtattact aataggcagg attgtacaat  
60gagcaactat cagattattc ctttcagtgg ttcttatggc atctaaatta ctgaataaat  
120tattaatcca ttaatcagtg aatcaaatta tgattacaat tatcaaata atgctcagca  
180ttaattgaaa actgttttgt gaaacatgtc taccagaaa agtagcattc tataaatact  
240attaaacaac ttagctatat tatttttaag tattaataa tatgtcaagc agctaaagt  
300aatttcagag taaaagtaag gcatgtttct gagcaacatt gataatttct taatttgcaa  
360atttcttctt attttggtag ttgga

385

&lt;210&gt; 3192&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggcggcctc actgctatgg gccgcaacaa gaagaagaag cgagatgggtg acgaccggcg  
60gccgaggctc gttcttagct tgcagcagga gaagaggcgg gagtacctga caggcttcca  
120caagcgggaag gtcgagcgaa agaaggcagc cattgaggag attaagcagc ggctgaaaga  
180ggagcagagg aagcttcggg aggagcgcca ccaggaatac ttgaagatgc tggcagagag  
240agaagaggct ctggaggagg cagatgagct ggaccgggtg gtgacagcaa agacggagtc  
300ggtgcagtat gaccacccca accacacagt caccgtgacc accatcagtg acctggacct  
360ctcggggggc cggctgctcg ggctgacccc acctgag

397

&lt;210&gt; 3193&lt;211&gt; 395&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac cgagctcaca ctgcagagat tctcacttg agcttgcaat gagggacagc  
60cttcatactt gcctgactct ttaatacaca cgggagcact cacaccggac atactccctc  
120tgcatgttgg gcacgcgcaa aaccattcat tagtgtttct tttctctcga ccacatgaaa  
180cgatgcacac agaacataag ccgtatgaat gtaacgttta tgggaaaaca ttcagtttgc  
240ccagtttatt tcatagacat gaaaggactc aactggagg aaaaacctat gaatgcgggc  
300agtgtggcag atccttcaac tgttggagct gctttcgata tcatggtggg actcacactg  
360gagagaaaacc ctatgaatgc aagcaatgtg gaaan

395

&lt;210&gt; 3194&lt;211&gt; 352&lt;212&gt; DNA&lt;213&gt; Homo sapien

tactgctgcg agaagacgac agaagggtac ggctgcgata agacgacaga aggggagggt  
60ctatgctcac agtgtaaca aaacagggaa gcttgaactt gtagagccc actgcagctc  
120agcaaggcct actgcctcta tagattccac ctctgggggc aaggcatatc tgaacaaaag  
180gtagcagaca gttctccag acttaaatgt ccctgcctga aagctctgaa gagagcagtg  
240gttctcccag cacagagttc aagctccaag agtggacaga ctgcctcctc aatgggtcg  
300ctgacccccg tgtaacctga ctgggagaca cctcccagta ggggctgaca gg

352

&lt;210&gt; 3195&lt;211&gt; 394&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg aggatgtcct caacacccat tgtggctacg acgtccggct caaactggag  
60ctggagcagc agggcttcat ccacacaaa ggctgctggt gccagtttga gaagtggctg  
120caggacaacc tgattgtggt ggcgggagtc ttcattggga tcgccctcct ccagatcttt  
180ggcatctgcc tggcccagaa cctcgtgagt gacatcaagg cagtgaagc caactggagc  
240atatggaatg atgactttga aaaccactgg cttacgccc ccatttccga ggtcctgtcc  
300acggcggggc ctgagcaaaa ctctctgact ggggccctg gcccggcccc acccagccga  
360catgttttct ttggcctggg tggtttatac cctg

394

&lt;210&gt; 3196&lt;211&gt; 374&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagga gagagatatt gaacaaaatt ttcgcagcat agcggctcgc tatggaacac

60atgtaggaac tctgaagttg gaatagattc gactgcatta aatggtggcg agagactctc  
120tttgatacat taataaaaact gcttgcataa gcagttctat ggaagacact ggtgtaatta  
180tgccggcggc acttgtagcc gttttaatgg tacatattct tgatcttcca catttttctt  
240tggttctttt ttctttttt aggaaaaaca aaacaacaca ctcttcctt atgttttctc  
300aagattcaag tgaacacatt tacacatatt aattccttaa agaaccctaa acgtttcctc  
360cctacaaaac caat

374

&lt;210&gt; 3197&lt;211&gt; 401&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc gagaattcgg aagaagccgg gacccaagcc cggatggaag aagaagcttc  
60gttgtagag ggaggagctt cccaccatct acaagtgtcc ttaccagggc tgcacggccg  
120tgtaccgagg cgctgacggc atgaagaagc acatcaagga gcaccacgag gaggtccggg  
180agcggccctg cccccaccct ggctgcaaca aggttttcat gatcgaccgc tacctgcagc  
240gccacgtgaa gctcatccac acagaggtgc ggaactatat ctgtgacgaa tgtggacaaa  
300ccttcaagca gcggaagcac ctctcgtcc accaaatgcg acattcggga gccaaagcctt  
360tgacgtgtga ggtctgtggg ttccagtgc ggcagcgggc a

401

&lt;210&gt; 3198&lt;211&gt; 392&lt;212&gt; DNA&lt;213&gt; Homo sapien

tacggctgcg agaagacgac agaagggatt tgaggataga atccgaggca ttgatatcat  
60taaatggatg gacgctacc ttaaggataa gaccgtgatg ataatcgtag caatcagccc  
120caaatataaaa caggacgtgg aaggcgctga gtcgcanctg gacgaggatg agcatggctt  
180acataactaag tacattcatc gaatgatgca gattgagttc ataaaacaag gaagcatgaa  
240tttcagattc atccctgtgc tcttcccaaa tgctaagaag gagcatgtgc ccacctggct  
300tcagaacact catgtctaca gctggcccaa gaataaaaaa aacatcctgc tgcggctgct  
360gagagaggaa gagtatgtgg ctctccacg gg

392

&lt;210&gt; 3199&lt;211&gt; 134&lt;212&gt; DNA&lt;213&gt; Homo sapien

nncnnnnnnn cctnnccacc caccctgaa aaagcacanc aaaacccac gctgctggcg  
60gagctgcggc tgctgaggca aaggaaggat gaactggagc agaggatgtc gggcctgcaa  
120aagagcagyc gggc

134

&lt;210&gt; 3200&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagcc ggaacacgct gtctctcgcg ttcttcggg tggacatcga cgaatttgac  
60gagaacaaat ttgtggacga gcaggaggag gcggcggcg cggcggcgga gccaggcccg  
120gacccgagcg aggtggacgg gctcctgcgg caaggggaca tgcttcgggc attccatgca  
180gccttgcgga actctcccg caacaccaag aatcaagctg tgaaggagcg agcccagggc  
240tggtgctga aagtgtcac aaacttcaag agcagtgaga ttgagcaggc tgtgcagtca  
300ctggacagaa acggcggtga cttgttaatg aagtacattt ataaaggctt tgagaagccc  
360acagaaaata gcagcgcagt gttactccag tgg

393

&lt;210&gt; 3201&lt;211&gt; 452&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggatgttcac caatgtcagc aagaactcaa cctgaattta aaggtggcat  
60tccatatact aacatcccc aggtcctctc aagtacttct gctgaaacaa atttatttgg  
120ctaggcacta agttgttttc cagtgaatag taactaaaga agcccctacc ttgtccatg  
180gattaattcc ttctgttcat ttccaactg cactaattgt gcatattact ctgcctaate  
240ttgtgcatgt ttccattgat ttccctctcc cggcttttgc ttctcttgaa actggtgccc  
300agtcacttct gctccaattc tcttctctcc taaatagtag nttattactg ccacatctcc  
360atgcatcagc aaaatggtgg tgacattttt ctagcctggc agaacagatt acttaaagct  
420atntcatttt caagcagact tgatgtgact tt

452

&lt;210&gt; 3202&lt;211&gt; 403&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt cttttttggg cgatgagtat caatacaaat ggattttgtg agtgactcat  
60gaagtgaaga atgcaccaga gtggatcaca agatggaatt tagccaacce tagccttgct  
120tgtttaaaat tttttttttt ttttaaaaat aactgcccgg gtactgactt tgctggcttg  
180gaacatctct ttttttctt ttttttctt actaaggctt ttgatgattc tgaattagaa  
240agacaaggca tatcttgctt gaagctttta tatttttaaa aaagcctgtc ttcgggactg  
300aaacacaaaa tccgcaacat catccaagag tacggcctgg actaccgctt ggatcctctg

360gtccagcttt tctgctcaaa cgagatctcc agaatatggg ctg

403

<210> 3203<211> 404<212> DNA<213> Homo sapien

ggcacgagca tgggttcctt cccctcagat tcttttgagc caaagaggaa acttccagct  
60gggtgcttgcg tgtcttctgt gtgcgtgaat tatgaatctt ttgaagttgg cgccggacag  
120gattcttggtg cttacaactc attagattct gacccacaga tattctttgc cttgggttct  
180tcaattgcta tgtttctcac tattcgagga gttgattgga tagatgagaa ttacagcctt  
240cctacctgta aagggttctt cactatttat catccgcttg atccagtggc atatagatta  
300gaacctatga ttgttccaga ttggacctt taagctggtc tcattccaca tcacaaaggc  
360agaaaaagac ttcattttaga attgaaagag agtctctctc gtat

404

<210> 3204<211> 378<212> DNA<213> Homo sapien

cggtgctgct gcattgatga tcattgctga gatccacact ataattaggg gcggcagaac  
60aggtgttttt ctaattctgc tatcccttgg gcatttggtta gttggaattc ttctataaaa  
120acataggccg ggtacagtgg ctcacgcttg taatcctagc actttcggag gccaaggcag  
180gcagatcacg aggtcaagag atggagacta tcctggccaa catgggttaaa ccccttctct  
240actaaaagta caaaaattag ccaggcatgg tggcacacgc ctgtagtccc agtaccag  
300gaagctgagg caggagaatc gcttgaaccc aggagacaga ggctgcagtg agccaagatc  
360acgccactgc actccagc

378

<210> 3205<211> 419<212> DNA<213> Homo sapien

ggcacgaggt ttaaggagaa gcctgaggcc ccgactgagc agctggatgt cgcgtgcggc  
60caggaaaaact tgcgggtggg cgcgtggccc ccggggggccg cgccggcgcc ctccagaaa  
120agtcgaacat cagttgtgga aatgagaagg aacccagcat gtgtggctca gcccttctt  
180tggtcccttc ctgcaagcga ttgacccttg agactatgaa aatgatgtta gacaaaaagc  
240aaattcgagc aattttctta ttcgagttca aaatgggtcg taaagcagca gaaacaactc  
300gcaacatcaa caatgcattt ggcccaggaa ctgctaacga acgtacagtg cagtgggtgt  
360tcaagaagtt ttgcaaagga gatgagagcc ttgaagatga ggagcgtagt ggccggcca

419

<210> 3206<211> 409<212> DNA<213> Homo sapien

ggcacgagag atggagagag cgttccagac agctctgtgg ttgctgcagc cggaagtctg  
60cttcatectg ggggatattt ttgatgaagg gaagtggagc acccctgagg cctggggcga  
120tgatgtggag cggtttcaga aaatgttcag acacccaagt catgtacagc tgaaggtagt  
180tgctggaaac catgacattg gcttccatta tgagatgaac acatacaaag tagaacgctt  
240tgagaaagtg ttcagctctg aaagactgtt ttcttgaaa ggcattact ttgtgatggt  
300caacagcgtg gcgtgaacg gggatggctg tggcatctgc tctgaaacag aagcagagct  
360cattgaagtt tctcacagac tgaactgctc ccgagagctg ctgtggtgg

409

<210> 3207<211> 390<212> DNA<213> Homo sapien

ggcgcgacgt ctgctctgac acttttgatt tggaggaata tgacgacggc gagaagcccc  
60tccatgttta ctactgtttg tgcggtcaga tggctctagc gctggactgt cagttataga  
120aattgcccac gaggccccgg gaccgggtccc gtgtgattga tgctgcaaaa catgcccata  
180agttttgtaa cacataagat gaggagacta tgtatctgtg gagacctgaa cgcattgaac  
240gacagtacag gaagaaatgt gcaacgtgtg gactgccgct cttctaccaa tcccagccaa  
300agaatgctcc tgttaccttc attgaggatg gagcagtaat caagtttggc cacggttttg  
360ggaaaacgaa catatatact cagaaacaaa

390

<210> 3208<211> 350<212> DNA<213> Homo sapien

tacggctgct agaagacgac agaaggagac aaaaagaaga aagataagaa gaaaaagaaa  
60ggagaaaaagg aagaaaaaga gaaagagaag aaaaagagg acctagcaaa gccactgtta  
120aagctatgca agaagctctg gctaagctta aagaggaaga agaaagacag aagagagaag  
180aggaagaacg tataaaacgg cttgaagaat tagaagccaa gcgtaaagaa gaggaacgat  
240tggaacaaga aaaaaagaga aaggaaaagg cccaaggaaa aagaaagaaa agaacgcttg  
300aaaaaaagaa gggaaacttt taactaaatc ccagagagaa gccagagcca

350

<210> 3209<211> 341<212> DNA<213> Homo sapien

tactgctgcg agaagacgac agaagggaca atacaatgga aaaatgcata gaaaaacagg  
60aaagatttttg tcaactaaaa aaacaaagta tgttgcttca acagcaactg gatgatgctc  
120gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga tgtgatgcta  
180gagtacaaaa ctttcaagct gagtgcagaa agcaccgtct ttactagaa gaagacaata  
240aaatgttggc caatgaactg aatcattcga aagaaaaaga atgccaatat gaaaaagaga  
300aagcagaaag agaagtagct gtgagacagc ttcaacaaaa n  
341  
<210> 3210<211> 380<212> DNA<213> Homo sapien  
ggcacgaggg aaggattaga agatattgac gaagaagggg atgaggatga aggtgaagaa  
60gatgaagatg atgatgaagg ggaggaagga gaggaggatg aaggagaaga tgactaaata  
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388  
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369

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384

&lt;210&gt; 3217&lt;211&gt; 387&lt;212&gt; DNA&lt;213&gt; Homo sapien

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387

&lt;210&gt; 3218&lt;211&gt; 383&lt;212&gt; DNA&lt;213&gt; Homo sapien

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383

&lt;210&gt; 3219&lt;211&gt; 412&lt;212&gt; DNA&lt;213&gt; Homo sapien

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412

&lt;210&gt; 3220&lt;211&gt; 133&lt;212&gt; DNA&lt;213&gt; Homo sapien

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133

&lt;210&gt; 3221&lt;211&gt; 170&lt;212&gt; DNA&lt;213&gt; Homo sapien

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170

&lt;210&gt; 3222&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

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417

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396

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407

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382

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422  
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146  
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182  
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396  
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342  
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377  
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180agataagtaa cttacccaac atcacagtca accaggattt gaaccagat agtccacttc  
240tcccaaaatt tcatcttctc accttggttc cgatactcaa aaagacgggg atcagcatga  
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392

<210> 3245<211> 144<212> DNA<213> Homo sapien

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120aggtgaggct tccaaccac ggaa  
144

<210> 3246<211> 433<212> DNA<213> Homo sapien

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120gaacctcaag ggtgactttt gaatagaatg agaggcagat ttcccctaag cagttcccag  
180gttgactttt ccttttagct tagagatttt ggggtcccaa tatttgttt catttcacac  
240ccatcttctg caccctcatg actcacaaga gtctcacac ctggcctacg ttcaactctc  
300cacggctctt gccagaaggc tgcacgtaca acacacacag aggcgggcat ttccctgacc  
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420gccaaacata ttg  
433

<210> 3247<211> 232<212> DNA<213> Homo sapien

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120aggttttattt tcttgaacc agtgaagtcg tctcctccc ttccctggat aactcttcag  
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232

<210> 3248<211> 427<212> DNA<213> Homo sapien

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240ctcagagtaa acctgaagtt tctgaccagg acgagaagca ccgtggctga gtctgtgagc  
300cagcagattt tgcgccagaa ccggggccgc aaggcctgtg accggcttgg gccaaaacca  
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427

<210> 3249<211> 401<212> DNA<213> Homo sapien

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120agggccagaa actgcggaac tcggccaagg gaaaggtgcc caagtcggca ctggacgagt  
180accggaagcg agagtgtcga gaccacctca gagtaaacct gaagtttctg accaggacga  
240gaagcaccgt ggctgagtct gtgagccagc agatttttgc ccagaaccgg ggcgcgaagg

300cctgtgaccg gcctgtggcc aagaccaaga agaagaaggc tgagggcacc gtgttcaccg  
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401

<210> 3250<211> 145<212> DNA<213> Homo sapien

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145

<210> 3251<211> 388<212> DNA<213> Homo sapien

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120cttccgcccgg ccgctctaca ccaatgtgcc ctctctgggtg gccctggcgc tcttgagctc  
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240catcactgac accggcttca agctgctgct gctgggtctg gtcaccctca acttcgtggg  
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388

<210> 3252<211> 380<212> DNA<213> Homo sapien

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120agacatcaga aagtatatgt gagatcaata ataattccaa acatggagcc aaaacatgt  
180ttgctatctc taaacaagga agtaatttgg tacaatcaaa gcatttgaat ccaggcagca  
240tttcagtgcg gacatctttg acaaataagct cacaaataga taagccaatg aagatggaga  
300aagggggaaat gtatggaaat tctccaagat ttttaggtgc cacaaatttg actatgtatt  
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380

<210> 3253<211> 154<212> DNA<213> Homo sapien

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60gatggcaca gccatgaagg gtgtcaccaa ggccatgggc accatgaaca gacagctgaa  
120ggtgcccaga tccaaaagat catgatggag tttg

154

<210> 3254<211> 460<212> DNA<213> Homo sapien

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120gcgctgagcg gcctggaggc cttctctttc gactacatcg tcaagtggcc cttttcgctc  
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300tccccagcct tcagtgtccg ggagattcac gggctgtccg gggggccacgg tgcggactgt  
360ggagtacaga cgccgtgtcc acgacgccgc cggtcacgga ggcccacctg aggtgccgcc  
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460

<210> 3255<211> 382<212> DNA<213> Homo sapien

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120acagtagcaa caccgagcca tggagtatgg gacatgcgag ggaaacaatt ccacacagga  
180gttgaaatca aaatgtgggc tatcgcttgt tttgccacac agaggcagtg cagagaagaa  
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300cagggccagc catgcttctg caaatatgca cagggggcag acagcgtaga gcccatgttc  
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382

<210> 3256<211> 431<212> DNA<213> Homo sapien

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120ttaccttctc attctttgta aatttctcat taaacattct aggaagagag atagctccct  
180acctctggag gttgggggta cggggatagg tagggggtct gttgggtttt tgcagataag  
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420tgactatct g

431

&lt;210&gt; 3257&lt;211&gt; 424&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagat ggtgacaagg ctggagttgc tttgggaact gcactgacac ctcagttgga  
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240tggttatttt tcttgggca ggtgccaaact atggctgtgg agaaggctct ggtgtacaat  
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420tggc

424

&lt;210&gt; 3258&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

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60cgtggcgctt atagtagcga cccgggggga gcgggggagc acgctggctg caggaccgcg  
120gtgacagcgt gagaggtact aggttttgac aagcttgcatt catgctgag tataagctag  
180tcgttcttgg ctcaggaggc gttggaaagt ctgcttttga gcaatttaca gcaatgaggg  
240atttatacat gaaaaatgga caaggatttg cattagttaa tccatcaca gcacagtcca  
300catttatcga ttacagagac ctgagagaac agattcttcg agttaagac actgatgatg  
360ttccactgat tcttggtgc aataagtgtg atttgaag

399

&lt;210&gt; 3259&lt;211&gt; 344&lt;212&gt; DNA&lt;213&gt; Homo sapien

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60gcaaaggttg gaggtgtctt gaggcactg tgtgtgaggc ctgtgggaag gcaactgacc  
120caggaagact cctgctgtgt gatgactgtg acataagtta tcacacctac tgcctagacc  
180ctccattgca gacagttccc aaaggaggct ggaagtgcaa atgggtgtgt ttggtcagac  
240actgtggagc aacatctgca ggtctaagat gtgaatggca gaacaattac acacagtgcg  
300ctccttgtgc aagcttatct tcctgtccag tctgctatcg aan

344

&lt;210&gt; 3260&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

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180gactgccgt gtacttttgc cgcacatat atatctatgt gcctagctct tgttctgac  
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300tgcatttttc aacgatgcag aatgcagctg caattgtgtt ttaaggagaa gccacatggg  
360gatgggtgtc cctgcaacat ggtgccactc ctgggccatg tgcagcctca gtggacactc  
420ttg

423

&lt;210&gt; 3261&lt;211&gt; 382&lt;212&gt; DNA&lt;213&gt; Homo sapien

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240atgtatttac tttggctcag gggctttatt ggaggccct ggccaccct tggaaaggct  
300gcccacagta aaactttccc agaaaaattt cgtaacgggc ccagccctt tcataacccc  
360ggttttttt gaccttgaaa aa

382

&lt;210&gt; 3262&lt;211&gt; 381&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggcgaccgc cggggatgct ggggtgtcaa cgcgctgcca cctggggccc  
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360tcgccatct tttaccgcga n  
381  
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336  
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455  
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165  
<210> 3266<211> 148<212> DNA<213> Homo sapien  
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148  
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240gatcgcgggg ctgctgctgg ccgtgccag ctgtgacatc tcaactcacag atcgcatgg  
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386  
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424  
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410

<210> 3270<211> 389<212> DNA<213> Homo sapien

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120gccagctgat taacaccaac acaatcgcta atggcactca gcagcacgca cagagtatga  
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240atatgggata ctttggagtt gactattaat acttatgcct taagttaacc attttgattg  
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389

<210> 3271<211> 374<212> DNA<213> Homo sapien

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374

<210> 3272<211> 381<212> DNA<213> Homo sapien

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381

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290

<210> 3274<211> 382<212> DNA<213> Homo sapien

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382

<210> 3275<211> 403<212> DNA<213> Homo sapien

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403

<210> 3276<211> 405<212> DNA<213> Homo sapien



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405

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377

<210> 3278<211> 384<212> DNA<213> Homo sapien

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60tataagaact ctgaagggtg aatagatttg actgtattaa atgttggcga gagactctct  
120ttgatacatt aaaaaaactg ttgcagaag cagttctatg gaagagactg gaataattat  
180ggcctgttaa cgtgtaccgc ctttaatggg aatattctt gatcttcaac attgttcttt  
240ggttcttttt tcctttttta ggaaaaacaa aacaacagac ttcattcctta gggtttctca  
300agatttaagc gaacacattt acacatatca atttcttaaa gaacacagaa tgtttcctcc  
360ctagcttaac tatttaagag ccag

384

<210> 3279<211> 181<212> DNA<213> Homo sapien

accccnncn nctgcctcac ctctctgggc cagtttcccc atagtacagt ggtgctgcac  
60accctggccc tggccccgag gtggctggga ggtggctcct caaacgccg ctgtctcacc  
120gagggccggt gatgcatcag ggatcgactg aggtctgag ctaactggga aacacagtgg  
180c

181

<210> 3280<211> 152<212> DNA<213> Homo sapien

attgcgctgn gnaacacaaa ttctcctctg cgctatgtgg acattgccat cccatgcaac  
60aacaaggtaa tgattttagg atctagagtt tgtgaatgcg tgctctagaa naaacattcc  
120tgtgcacatt gatagagctt ggagttgagg ct

152

<210> 3281<211> 189<212> DNA<213> Homo sapien

aggccaggcg tgcgacgctt tatcggtcac gaaatggata cccggcctgc catggccatc  
60tttgaactcc tggactatat tgtgaacgag ccacctccta agctgtccaa cgggtgtgtc  
120accctccact tccaagagtt agacaataaa agcctcatca agaaccctac ggagcgagct  
180gacctgaag

189

<210> 3282<211> 392<212> DNA<213> Homo sapien

ggcacgaggc ttgtgggtcaa acatcgggac atgaatgata aggaactgga agctcacgag  
60gcacggaagg cccagctaga aaaccacgaa ccggaggagg aagaggaaga ggagatggag  
120acagaagaga aagaagctgg gggctcagat gaggagcagg agaagggcag cagcagtgag  
180aaggaggggca gtgaagatga gactcgggc agcgagagtg aacgggagga aggtgacagg  
240gacgaggcca gtgacaagag tggcagtggg gaggacgaga gcagcgagga tgaggccccg  
300gctgcccgtg acaaagagga gatctttggc agtgatgctg attctgagga cgatgccgac  
360tctgatgatg aggacagagg acaggcccaa gg

392

<210> 3283<211> 170<212> DNA<213> Homo sapien

gaatttnncc ncnncacctg ccactactac nccaacaagt acagcttctg gctgaccacc  
60attcccagac agagcttcca gggctcgccc tccgccgaca cgctcaaggc cggcctcacc  
120ccgcacacat caaccgctgc caggtgtgca tgaagaacct gtgagccgga

170

<210> 3284<211> 158<212> DNA<213> Homo sapien  
cctnacan an aacttaactg gcagcaagag acggctacaa actcctaagg aaaaggccca  
60ggctctagaa gacctggctg gctttaaaga gctcttccag acacgagggtc acactgagga  
120tcaatgacta acgataatac tgccaaagta gcctgcaa  
158

<210> 3285<211> 153<212> DNA<213> Homo sapien  
ccaanaacag attgctgaat tcaaggaagc cttctcccta tttgataaag atggcgatgg  
60caccatcaca acaaaggaac ttggaactgt catgagggtca ctgggtcaga acctcacaga  
120agctgaattg caggatatga tcaatgaagt gga  
153

<210> 3286<211> 350<212> DNA<213> Homo sapien  
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120agccgcgaca atccaggag caacacctat agccttcatt acatcgttca acttcacttt  
180gagggtatgct acgtagaaat agatcatgga gccaaagtga gtgcactttg tcaaagttaa  
240gggtctgctt tggtcttgtt gcttttctgt tttttaacct tttgttccgc catttaaaaa  
300aagaaaaaaa aaaagtattg tttcttgcata aatgcagaaa tggtcccttc  
350

<210> 3287<211> 162<212> DNA<213> Homo sapien  
agctcggctt ttatcttctt ccgtaccact tgacaacct ggggccctgg tcttctgtac  
60tcaggggctg gtctcccaga gatgggcaaa agccagcttg cccgttttct ttatgcttca  
120agagaaacct ctccttcttg gtccagactc tgggtggagt gt  
162

<210> 3288<211> 184<212> DNA<213> Homo sapien  
cacacatgcc tcatataagt gaatgcttga tgaaaagaag tttaaaacct accgacctga  
60gagacatgac tattgggag ctacaagtga tagtcaatga tctccattcc cagatagaag  
120cttgaatgaa gagttgggtc agctgcttct catccgagat gagctgcaca cagagcanga  
180tgcn  
184

<210> 3289<211> 188<212> DNA<213> Homo sapien  
cgcactaaga tggtgggata actttcccaa ctccaagttc cagcgagggt aaattggaag  
60agaacagtga tgtgacttct tggtcagaag aaaaacgtga agagaaaatg ctctttaccg  
120gttatcttga ggacagaaaag ttaaaaaaga acaagaagaa ttcccatgaa ggagtttct  
180ggtttgtt  
188

<210> 3290<211> 383<212> DNA<213> Homo sapien  
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60tagaacctgg gaggcggagg ttgcagtcag ccaagatagc accactgcac tccagggtgg  
120gtgacagagc gagactccat gtcaaaaaaa aaaaaaagg gggaaactcaa attttctttt  
180ttaaggtaat ccccaaaatt ttctccaaa aaaaaatggt ggtttggtat ttgaaactt  
240aaaagcagct atgggtaaat ttctgaaata tagcaggaga ccaaaacatg tttggaaaga  
300gaataaatat ttgaagagag acgggtggtt ttattttcaa tgtatggaat atattaaact  
360actatttatt ttctgagggg agg  
383

<210> 3291<211> 158<212> DNA<213> Homo sapien  
ctttcaagac agcctccctt tattgaattg gcattaggga ataaacaagc ctttaaactg  
60gataaaagat caaaaacctg gttagacatg ccagcctttg caaggcaggt tatgtaccaa  
120agactaacct ccaagtggct ttatggacgc tgcataatg  
158

<210> 3292<211> 378<212> DNA<213> Homo sapien  
ggcacgaggc aagaatggcc agattctcct ctgggaccca agcacaggga agcagggtggg  
60caggaccctc gctggccaca gcaagtggat cacaggcctg agctgggagc ccctccatgc  
120gaaccctgag tgccgctatg tggccagcag ctccaaggat ggcagtgtgc ggatctggga  
180cacaactgca ggccgctgtg agcgcctcct caccgggcac acccagtcgg tccctgtct  
240ccggtgggga ggggacgggc ttctctactc tgctcccg gaccgcacca tcaaagtctg

300gagagctcat gacggtgtgc tgtgccggac tctgcaaggc cacggccact ggggtgaacac  
360catggccctc agcactga

378

<210> 3293<211> 342<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggggaa acaccgcagt attgtccaaa ttatttatga  
60tgagaatcgg aaaaaagcag aagaagctca taaaattttt gaaggctctg gcccaaaagt  
120tgaactgcc ctgtataacc agccatcaga taccaagggtg taccatgaga acatcaagac  
180tggagtacct gcaaggcgca tgatgaaaaa ccagggtgatg aggaaaaaac tcattttatt  
240tttttaaaaga agaaatcatg catgaaaaa aagggaacaa aaaatctgcc agcgttatga  
300tcagctcatg gaggcattggg agaaaaaagt ggacagaata gn

342

<210> 3294<211> 396<212> DNA<213> Homo sapien

ggcggctcagg cgccgcttct ggggagaggc ctttcttttc cctccctcc cggttcggtg  
60gcggcggtc ctccactgg ggggggggag ggacggatat cttaaacatc aaccgccata  
120gagaaaaata ctgccaaacc caaatgaca taacaagtac catcaatggg tccagccatt  
180gccttttgaa actatagacc tggaattcaa agtggaggaa ccattgaaca aaaggctatt  
240aagcggtac caggcctgaa ttttgatgat .aatggaaaaa ggaacaaca atttttgagg  
300agggagaag atcagatttc aaacgaaaag gcacatactt gcctatgcta attataaaca  
360caagctctac cgataaatac agacatgcc ccaaat

396

<210> 3295<211> 187<212> DNA<213> Homo sapien

cattctcgag ggagcgcgag gaatgcctcc gcctgagatc aagtttgctg tccatgtcta  
60atcggtgctc aaccgcgtgc cgcagccga ataccggcag ctgctggagg aagccatcat  
120ggagctgacg ctgctctcgg acacggagat gaccagcatc gggggcatca tccacgtgga  
180ccagatc

187

<210> 3296<211> 163<212> DNA<213> Homo sapien

aaccttcaac ctgcgcatca ncttcccgcc ggagtatccg ttcaagcctc ccatgatcaa  
60attcacaacc aagatctacc accccaacgt ggacgagaac ggacagattt gctgcccatc  
120atcagcagtg agaactggaa gccttgccacc aagacttgcc aag

163

<210> 3297<211> 156<212> DNA<213> Homo sapien

cattgccatc caccgtggga tgccccaaga ggagaggctt tctcggatc agcagtttaa  
60agattttcaa cgacgaattc ttgtggctac caacctattt ggccgaggca tggacatcga  
120gcgggtgaac attgctttta attatgacat gcctga

156

<210> 3298<211> 345<212> DNA<213> Homo sapien

tactgctgct agaagacgac agaaggggat agtgacgacc tcaagcggca gagtgtctct  
60ctggagcagc aagaccgtgc actggagaag gcgagggtcaa gtgcccaact gcagaccaac  
120taccctctct cagacaacag cctctacacc aacgccaaag gcagcaccat ctctgccttc  
180gatgggggag gtgtgggagg ttttttatcc tttctcgtg tgacttcaca ccagatgcta  
240tctgcctctg gtgagcaatt tctcatttcc tgacaatccg aaaatactat tagtttacc  
300ccgtcagcta atcctttctt catcgagtgc catacccca ctacg

345

<210> 3299<211> 422<212> DNA<213> Homo sapien

ggcgcgagggt ggctaccata acgtgccgac tattgacatc cacatgaacc acatcggtct  
60tgagcgggag tggcacaat tctgtctgga gtacattgcy ccatgacag agaagctcta  
120ccccgggtac tacaccaggg ccaggttga cctggccttt gtcgtccgct acaagcctga  
180tgagcagcac tttggccagt ggtctgtgtg cagcaacaag gacaaccact gccagcagc  
240ctctgggacc tcgtggtccc agggaaacca gtccagactc ctggctgttg acttccatt  
300gctcttgag ccaccaatca aagagattca aagagattcc tgcaggccag aggcggaaca  
360cacctttatg gctggagctc tccgtggtga tctggacca gcctctggag acaccattca  
420ct

422

<210> 3300<211> 182<212> DNA<213> Homo sapien

actattaccc ctgaggttac aactgtgacc cctacaaagg aaactgtatc ccttggaag

60cacacatgag ctctaggaga gaaaactgag atcactgggg caatgaccat gactttctgtg  
120gtcatcagtc catgaccctt ggagagaaag ccctgacccc tgtgggtatc aatctgtgac  
180ca

182

<210> 3301<211> 391<212> DNA<213> Homo sapien

gatgggcagc tttccgactc ggattccgac atgacggtcg caccagcga caggccgctg  
60caattgccaa aagtgcctagg tggcgacagt gctatgaggg ccttcagaa cacggcaact  
120gcatgtgcac cagtatcaca ttatcgagct gttgaaagtg tggattcaag tgaagaaagt  
180ttttctgatt cagatgatga tagctgtctt tggaaacgca aacgacagaa atgttttaac  
240cctcctccca aaccagagcc ttttcagttt ggccagagca gtcagaaacc acctgttgc  
300ggaggaaaga agattaacaa catatggggg gctgtgctgc aggaacagaa tcaagatgca  
360gtggccactg aacttggtat cttgggaatg g

391

<210> 3302<211> 380<212> DNA<213> Homo sapien

ccattcactc gttcagcaga cacgcatggg actgatgctt tgagttttct tctgtgggga  
60tttccctttct ctggactctg tgcagccctt gccctccctc ggggtgctgt ggcctcaaag  
120gaggaactcg tggcgggagg tgtggaatta ttacacctaag cctgaccttt tgtttagtgt  
180acagcattgc tttctgtgtt gccaatcttg gctcatacga gatgcatagg aatgagctcg  
240agccttccct cttttgcttc cggatatatt ctctctcttg ggaacatgag tccacttcga  
300actgcttccct gtatgtttgt ccagctgtat tggcaacttc tgcataagga tcatgagtct  
360gtggaggcac cgacttctcc

380

<210> 3303<211> 175<212> DNA<213> Homo sapien

ggcacgaggc ttttgagacc aggggtgctc tgtctgtgct ccgcctcgcc atgacttctt  
60acagctatcg ccagtcgtcg gccacgtcgt gcttcggagg cctgggcggc ggtccgtgc  
120gttttggggc gggggctgcc ttctgcgcgc ccagcattca cgggggctcc ggcgg  
175

<210> 3304<211> 356<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaagggtaa cacggattct tcacattcta atcctcctga  
60gtcaaactct gatcctgtcc actcagagtt ctgaaggggg ccagatgttg ggtgcagatg  
120tagaagcagc cagtcacaga cccattctat gcaatggaca tttatttgaa aaaaattctc  
180aaaagttttt tttttttttt tggggggggg gggtttttaa gctgttttta cctccgagac  
240tccactttta agggacccag ggaattaagg catataaaat ttacccccc aagattaaaa  
300gcccaggaag aggttcaacc catgtgagaa ctgcctcctt aggaagggt ttaagg  
356

<210> 3305<211> 170<212> DNA<213> Homo sapien

atggataaga acaagatggg cttgaaaggc cttttgaaga cccaatagc agccgggcac  
60ccatctatga atttactgt ggcagaaaca ttgaccttt actcgaatgt ccgacctgt  
120gtttctatcg aaggctatac aacccttac accgatgtaa atattgtgag  
170

<210> 3306<211> 413<212> DNA<213> Homo sapien

ggcacgagaa agctttcagg cagagctcag agctgattac tcacagaga atacatagt  
60gagagaaacc ctatgaatgt agtgaatgtg gaaaagcttt cagtttgagc tcaaacctta  
120tcagacatca gagaattcat agtggggagg aaccttatca gtgtaatgaa tgtggcaaaa  
180ctttcaaaaag gagctcagcc cttgttcagc atcagagaat tcattctggg gatgaagctt  
240atatatgtaa tgaatgtggg aaggctttca ggcacagatc ggtccttatg cgccatcaaa  
300gagtccacac tataaagtaa tttgtgaata ctgtgaatag tgtaaatact tcagtcagat  
360ttttaagttt gttagtcaaa agagtttact ttggagcaaa actccataaa ggt  
413

<210> 3307<211> 402<212> DNA<213> Homo sapien

ggcacgaggc aatgtcaagt ttgtccagga tacatccaag ttctggtaca agccacacct  
60gtcccgtgac caagccattg cctgtctgaa ggacaaggac cctggggcct tctgatcag  
120ggacagtcac tcattccaag gagcttatgg gctggccctc aaggtggcca caccgccacc  
180cagtggccag ccctggaaag gggacccctg ggaacagctg gtccgccatt tctcctcga  
240gactgggccc aaaggggtga agatcaaggg ctgccccagt gagccctact ttggcagcct  
300gtccgccttg gtctccagc actccatctc ccccatctcc ctgcctgtct gcctgcgcac

360tcccagcaaa gatcctctgg aagagacccc agaggctcca gt

402

<210> 3308<211> 388<212> DNA<213> Homo sapien

cgttgctgtc ggaagcaatg aatagcatgg gaggatttgg aggagttggc cgaatgggag  
60agctgtaccg tgggtgcgatg actagtagca tggagcgaga ttttggacgt ggtgatattg  
120gaataaatcg aggcttttga gattcctttg gtagacttgg tggaggaaatg ggtagcatga  
180acagtgtgac tggaggaatg gggatgggac tggaccggat gaggttccagc tttgatagaa  
240tgggaccagg tataggagct atactggaaa ggagcatcga tatggatcga ggatttttat  
300cgggtccaat gggaagcgga atgagagaga gaataggctc caaaggcaac cagatatttg  
360tcagaaatct accttttgac ttgacttg

388

<210> 3309<211> 387<212> DNA<213> Homo sapien

ggcacgaggg ccagcggtag caactgtaga actgcaggag actatctttc tagacaaggc  
60agttgaggag gaggagcgc ttgaggggga ctggcctggc gtgcactccg cacctcgggg  
120acattattgc gcgtggaacg gctgcttttg gaagactatt gcccagaaga aaagatgttt  
180ggttttcaca agccaaagat gtaccgaagt atagagggct gctgtatttg cagagctaag  
240tcctccagtt ctcgattcac tgacagtaaa cgctatgaaa aggacttcca gagctgtttt  
300ggattgcatg agactcgttc aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga  
360tggagaagt tgccagcagg atcaaaa

387

<210> 3310<211> 422<212> DNA<213> Homo sapien

ggcacgagcg cgggagttcc gcaggtttcc cgtgttcgca gcggagccgg aggccagctg  
60aaccggccg tgggatcccg gataggagga ggaggggacc cataggacgc gttaacatgg  
120acctggaanaa caaagtgaag aagatgggct taggtcacga gcaaggattt ggagccccct  
180gttttaaatg caaagaaaaa tgtgaaggat tcgaactgca cttctggaga aaaatatgtc  
240gtaactgcaa gtgtggccaa gaagagcatg atgtcctctt gagcaatgaa gaggatcgaa  
300aagtgggaaa actttttgaa gacaccaagt ataccactct gattgcaaaa ctaaagtcag  
360atggaattcc catgtataaa cgcaatgtta tgatattgac gaatccagtt gctgccaaga

420an

422

<210> 3311<211> 441<212> DNA<213> Homo sapien

aagctactgg ggnntggca ggatcccatc gattcgctac accttcccgg ccagcggtag  
60caactgcaga actgcaggag actatctttc tagacaaggc agttgaggag gaggagcgc  
120ttgaggggga ctggcctggc gtgcactccg cacctcgggg acattattgc gcgtggaacg  
180gctgcttttg gaagactatt gcccagaaga aaagatgttt ggttttcaca agccaaagat  
240gtaccgaagt atagagggct gctgtatttg cagagctaag tcctccagtt ctcgattcac  
300tgacagtaaa cgctatgaaa aggacttcca gagctgtttt ggattgcatg agactcgttc  
360aggagacatc tgcaatgcct gtgtcctgct tgtgaaaaga tggagaagt tgccagcagg  
420atcaaaaaa aactggaatc a

441

<210> 3312<211> 382<212> DNA<213> Homo sapien

ggcacgagat acatttatga tggagaactg ttatcaaaga atggattttt tcagggatat  
60aaccgactga cctggatagt agttgttctt cagtgtcttt ttccttgag ccactccttg  
120aataacagct acttttttgt atggttatga tcccaaacct gcaggaaatc cactaaagc  
180atagttgtat actatcttta actggttttt cacgatgggg cactaggaat ctcgacatta  
240atcttgaca gaggacttct acagagtctg agaagatata atcatgctga atctgatcat  
300actgtttttt aaaagttaa ggataagaca tgtgtatatg taacaaaaca cattgcatct  
360agaaatcaaa acttgaaagt ag

382

<210> 3313<211> 385<212> DNA<213> Homo sapien

ggcacgagt cctttctatg accctgacac cagcatcatt tacttatgtg gaaaggggga  
60cagcagatatt cgctattttg agatcacgga tgaatccccg tacgtccact acctcaacac  
120attcagcagc aaggagcctc agagagggat gggttacatg cccaagaggg gacttgatgt  
180taacaaatgt gagattgcca gattcttcaa acttcatgag agaaagtgtg aacctattat  
240tatgactgtt cccaggaagt ctgacctttt ccaagatgac ctgtatcctg acacagcggg  
300gccagaggcc gcgctggagg cagaagagtg gttcgaaggc aagaatgcag acccaatcct

360catctccttg aagcacgggt acatt

385

<210> 3314<211> 456<212> DNA<213> Homo sapien

ncaggtaaac tagnnctntg cgnnncngnca nnnngncaaaa ngcaggagcc cattttattct  
60aattcggcac gaggggaggg gnnngaatta ggtttattgt gnccacgaaa acggggcnac  
120agaagaggtg aagatatttg ttggattaaa accaataaaa acaatccttg gaagactaag  
180acttttagatc caaaggctgt ctttcagaga acaaaggaac actgcctcat ggggatcaaa  
240ggaactgtga agcgtagcac agacggggac ttcattcatg ctaatgttga cattgactta  
300attatcacag aagaacctga aattggcaat atagaaaaac ctgtagaaat ttttcatata  
360attgagcatt tttgtcttgg tagaagacgc cttcatctat ttggaagaga tagtacaatt  
420cgaccaggct ggctcacagt tggaccaacg cttacg

456

<210> 3315<211> 329<212> DNA<213> Homo sapien

tacggctgcg agaagacgac agaaggaagc gccgaaccc gctccatagc ccgggcgctg  
60ggggttgga gcaaacgcac aagaagtttg ttctgggaag gtcctcgtag cgaaaaccga  
120acttggggct ggatatttag aaaataaagc attcgcataa tacaatgaac tcataatttg  
180gccggatgat ttgtaggcag ggacgtttta gtgtcggttt tacgagattc cttgatatat  
240tacagaatta gagtccagat ttacaccaa aaggaccccc ttttctctt ccggaccacg  
300tgaccccgcc cactgacgt cccctccg

329

<210> 3316<211> 414<212> DNA<213> Homo sapien

gaggtgtgca gcctgggaca gcaggagcgg gtccagcttc aggagtactg gcggaggggc  
60tggaggttcc acgccaaagg tcagttcacc gggacctgga ggcccagatt gcgatcgtga  
120cgggagaacca ggccttgca cagcagcttc accaggagca agagcagctc tacctgaggt  
180caggtgtggt gtccctctgcc accttcgagc agccgagtcg ccaggtgaag ctgtgggtga  
240agatggtgac tccactgatc aagaacttct tctgaggaca gacaggaatg gccttgatga  
300agatgacagg catggccggg gtcagctctt tcagccgcgc ttcagcgatg actccagtct  
360gggtgtccca gcgagcccct gcagggacag tatggctgag ggtcacgtgt gctg

414

<210> 3317<211> 380<212> DNA<213> Homo sapien

ggcacgaggg aaagggagac gtcatttgct actatgggaa ccgaggggag cctgactcta  
60tcgtttttgac gccaggcacc tacgggctga gcaacgcgct gctggagact ccctggagga  
120agctgtgctt tgggaagcag ctcttctctg aggctgtgga acggagccag gcgctgccca  
180aggatgtgct catcgccagc ctcttgatg tgctcaacaa tgaagaggcg cagctgccag  
240acccggccat cgaggaccag ggtggggagt acgtgcagcc catgctgagc aagtacgcgg  
300ctgtgtgct gcgctgccct ggctacggca ccagaaccaa cactatcatc ctggtagatg  
360cggacggcca cgtgaccttn

380

<210> 3318<211> 427<212> DNA<213> Homo sapien

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120gttccctttt tgattttctt atccggctgc tcccctatca gacctcatc tttttaattt  
180tattttttgt ttacctccct ccattcattc acatgctcat ctgagaagac ttaagttctt  
240ccagcttttg acaataactg cttttagaaa ctgtaaagta gttacaagag aacagttgcc  
300caagactcac aatttttaaa aaaaaatgga gcatgtgtat tatgtggcca atgtcttcac  
360tctaacttgg ttatgagact aacaccattc ctactgctc taacatgctg aagaaatcat  
420ctgaggg

427

<210> 3319<211> 408<212> DNA<213> Homo sapien

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120aagtcttggt tttatcttaa tccattaaaa agttgttctt tgtttccagc ttgcattgat  
180tgctacaaca tactaattt ggctttcaca tttaaattgg tctgtgctaa tcaaaacttt  
240cgttggttatt attcattatg gtagaatcat ttttaattca cgtgcttctg gttcagtttt  
300gtgggtctgag agatgtacca attgtcaaat taccgtgtac cacctaattg ttataggaga  
360aagcaaaaata catcagcttg gtagttaaca catcanatat ttcttgct

408

&lt;210&gt; 3320&lt;211&gt; 393&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagaa ggtgttacag cacatgaagg ccgtgcaggc agatcatgag cggcagaggc  
60agcggcggt ggaagtataa cgtgaggcag agaagaagcg tgaggctaag cagcgagcta  
120aggaagctca tgagcgggaa ctgcggaagc gggagaaggc ggaagagaag gagcgccgga  
180gaaaggagta tgatgccctc aaagcagcca agcgggagca ggagaagaaa cctaagaagg  
240aagcaaatca ggccccgaaa tctaagtctg gctcccgtcc ccgcaagcca ccaccccgga  
300agcacactcg ttcctgggct gtgctgaagc tgctgctgct gctgctgcta tttggtgtgg  
360cgggagggct ggttgcttgt cgggtgacag agc

393

&lt;210&gt; 3321&lt;211&gt; 423&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagac gacttcttga acagaaaaca ctagaaagtc aaaaaaagaa gcaacaagat  
60gattctgatg aatatgatga tgacgactct gcagcctcaa cttcatttca gccacagcct  
120gttcaacctc agcaaggtta tattcctcca atggcacagc caggactgcc accagtacca  
180ggagcaccag gaatgcctcc aggcataacct ccattaatgc caggtgttcc tccctgatg  
240ccaggaatgc caccagttat gccaggcatg ccacctggat tgcatcatca gagaaaatac  
300accagtcac tttgcgggtg aacataatg atgccaatgg gtggaatgat gccacctgga  
360ccaggaatac cactctgat gcctggaatg ccaccagga tgccccacc tgttccacgt  
420cct

423

&lt;210&gt; 3322&lt;211&gt; 397&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tccacgcaa aggcctctgt ttgtacctgg cgttttcagc ctgcccgtgc  
60tcacgctgat tggctctcct aattttgggt acaggtcagt tcaccgggac ctggaggccc  
120agattgcgat cgtgacggag aaccaggccc tgcagcagca gtttcaccag gagcaggc  
180agctctacct gaggtcaggt gtggtgtcct ctgccacctt cgagcagcgg agtcgccagg  
240tgaagctgtg ggtgaagatg gtgactccac tgatcaagaa cttcttctga ggacagacag  
300gaatggcctt gatgaagatg acaggcatgg ccggggtcag ctctttcagc cgcgttcag  
360cgatgactcc agtctgggtg tcccagcgag cccctgg

397

&lt;210&gt; 3323&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc ggatccatcc tacagatgca tctagaata cgcttccaca cgggtcttgc  
60ggatgcccac ctctactgtt tgaaaaaata catcgaggat ttgctaattgg aaaacgggtc  
120aataacttct atccggagtg aactgatttc atatttagtg agaaaacagc tttcctcagc  
180ttcctcacia caggagcga gaacaaaaag aggaggatct agagaaaaag gagctgaact  
240ccttatatat atacagtctt ataaaagaag ccaatacact gaacctggct ccctatgatg  
300cctgctggaa tgctgtcga ggagacaggt ggaagactt gtccagatca catgtgctg  
360gctatgtcca catcatgaaa gaagggtctt gctctcgn

398

&lt;210&gt; 3324&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggt tcgttggcg gtgctggttt ttgctcgtc gactgcggct cttcctcggg  
60cagcgggaagc ggcgcggcgg tcggagaagt ggcctaaaac ttcggcggtg ggtgaaagaa  
120aatggcccga accaagcaga ctgctcgtaa gtccaccggt gggaaagccc cccgcaaaca  
180gctggccacg aaagccgcca ggaaaagcgc tccctctacc ggcggggtga agaagcctca  
240tcgctacagg cccgggaccg tggcgcttcg agagattcgt cgttatcaga agtcgaccga  
300gctgtctc cggaaagctgc ctttccagag gttggtgagg gagatcgcgc aagatttcaa  
360aaccgacctg aggtttcaga gcgcagccat cggtcgct

399

&lt;210&gt; 3325&lt;211&gt; 439&lt;212&gt; DNA&lt;213&gt; Homo sapien

ccttttgata agnttcgacg acnccagca gganccatg gagtcgaatt cggcacgagg  
60ttcttcagca gaatttgacc ttcatacca tgtcgcggga ggcagacctg gactttgcaa  
120ggcagtacta cgagatgctt tacaacacag ctgacgagct cctgaacctg gtggtggacc  
180agggtgtgaa gtacacggag ctggagtaca tccacgtctt gaccctgctg caccgcagcc  
240agactggggt gggggaactg accaccaga acacgaggct gcagaggctc aaagagatca  
300tctgcgagca ggctgccatc aagcaagcca ccaaggacaa gaagataact accgttttagc  
360agggcgact gcggttggtg acgggggtcc cctcagtcac actcactttt tttccttgg  
420atgttattga ggatattct

439

&lt;210&gt; 3326&lt;211&gt; 429&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctcggg gcttcatgga  
60gatgaatggg cgggggggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct  
120tccccccact cctctgctgc tattccctga ggaagaggcc accaatggcc gggaggggct  
180cctgcgcttc agttcctggc cattttctat ccaagatgtg gtacaacctc ttaccctgca  
240agttcagaga cccctggctt ctgtgacggg gtcagatgcc tcctgggtct cagaactgct  
300gtgggcactt ttcgtccctt tcacggngta atcaagaaag gtggcttcgt ccctgtcatc  
360gccactaag ggaagccaat gaggaggttg cacttcgtgt accacaactt gtggcccaag  
420aattggccc

429

&lt;210&gt; 3327&lt;211&gt; 449&lt;212&gt; DNA&lt;213&gt; Homo sapien

tgtggatccc agcattcaat tccgtgctgt cgaaacaagc cctgaagttt gcatgagatg  
60cttcaaaactg aaggcagcca gtgtgctaaa acatttataa atctgatgac tcatatctgc  
120aaagaacaga ccgttcagta tatactaact atgggtggatg atatgctgca ggaaatcat  
180cagcgtgtta gcattttctt tgactatgca agatgtagca agaactactg gtggccctac  
240tttctgcca tgttgaatcg ccaggatccc ttcactgttc atatggcagc aagaattatt  
300gccaaagttag cagcttgggg aaaagaactg atggaaggca gcgacttaca ttactatttc  
360aattggataa aaactcagct gagttcacag aaactggcgt gtancggtgt tgctgttgaa  
420acaggaacag tctcttcaag tgatagttt

449

&lt;210&gt; 3328&lt;211&gt; 398&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggc tcctcaccct cagtcaggtc ccaaccactg taaagacctc tggggacggc  
60tgaccaagg ctggataaat ccatagggtgc tgccagccca aggccccagt cactggagaa  
120aacctcagtt cccactggcc tgagacttcc gccgccagac agactgctca ttactagcag  
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240actcccact cctgagaaag tactatcagc tgtgggtccag acccttgtag ctaaagaaaa  
300agcactgagg cctgtggacc agaatactca gtcaaaaaat agagctgctt tgggtgatgga  
360tctcatagac ctaactctc gccagaagga gcgggcag

398

&lt;210&gt; 3329&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgagct ctactcaata gtccccccag ctttgtgtgc tggctctcggg gcttcatgga  
60gatgaatggg cggcgggagt tgggtggagtc actcaagaga ttctgtgctt ccacgaggct  
120tccccccact cctctgctgc tattccctga ggaagaggcc accaatggcc gggaggggct  
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240agttcagaga cccctggctt ctgtgacggg gtcagatgcc tcctggggct cagaactgct  
300gtggtcactt ttcggccctt tcacgggtgta tcaagtaagg tggcttcgtc ctggctcatc  
360cccacttngg gaagcgaatg aggaggttgc actccgcgta ccacagctgg tgggccaggg  
420atttgt

426

&lt;210&gt; 3330&lt;211&gt; 399&lt;212&gt; DNA&lt;213&gt; Homo sapien

gccgttgctg tcggccctag aagaggtata ccagacctc actccagaag agaccagaag  
60aaacagcctt ggaggatg tcttatttgt ggggaaacat caccactcc atgacttcat  
120tttagagctg taccagacag gtccacaga gccagtggag gtacccctg aactatgtca  
180tgggattcaa ggaaagttt ctttggatga agaagccatt cttccagatc aaatagtatg  
240ttctcctgtt cctatgttaa gggatctgac acagaacct gtatgcagta ttaattttaa  
300agaccacag tttgctgaag attacattt taaagctgta atgcttccag gagcaagaaa  
360gccagcagca gtactgaaac ctagtactg ggaataatn

399

&lt;210&gt; 3331&lt;211&gt; 402&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgttgctgtc gagaaatcaa ctgtaagtgc ttatagacat tgtctgtctc tgaggataga  
60agtatctgcc tgcagccaag acttcatttt gatggcaa atattgtctg tagttcagca  
120cttggctctt accagtggga ctttgccagt tatgatattc tcagggtcat caagactcct  
180gagatagcaa acttggcctt gcttggcttt ggagatatct ttgccctgct gtttgacaac  
240cgctacctgt acatcatgga cttgaggaca gagagcctga ttagtcgctg gcctctgcca  
300gagtacagga aatcaaagag aggtcaagc ttcctggcag gcgaagcatc ctggctgaat



360ggactggatg ggcacaatga cacgggcttg gtctttgccca cc  
402

<210> 3332<211> 372<212> DNA<213> Homo sapien

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60gtgacgacag gcagttgtca caaaaactca ctcatcaact tcttagtgaa ttgacaggc  
120aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa  
180acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt  
240acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaactttag  
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt  
360actcctggac cg  
372

<210> 3333<211> 436<212> DNA<213> Homo sapien

gaacctttga aagangnnnc ttgggatttc cgcaggatcc catcgattcc aagtcggcac  
60gaggagaaac tccggtcggg tcagctctcc tacaagaag atccagtggg atggcaaaga  
120ttgttggtc agactgttgc taacaggaac tctgaagccc gggctttcaa gccagaaaca  
180atctcagcat tcacttctga tccagcactt ttgtcatttg ctgaatattt ctgcaagcca  
240actgtgaaca tgggtcagaa acaggaaatt ctggatctct tttcttctagt actctatgaa  
300tgtgttacc aggagacccc agagatgttg cctgcataca tagcaatgga tcaggctata  
360agaagacttg ggagaagaga aatgtctgag acttctgaac tttggcagat acagatgggt  
420ttagagtttt tcagct  
436

<210> 3334<211> 377<212> DNA<213> Homo sapien

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60gtgacgacag gcagttgtca caaaaactca ctcatcaact tcttagtgaa ttgacaggc  
120aagaagatga cattcactta gtgacattat gtgtgacaga attaaatgac cgggaagaaa  
180acgaaaacca ctttccagta atatatggca ttgctgtcaa cattaagact gcagagattt  
240acagagcatc ctttcaagat cgggggtccgg aggagcagct tcgtgctgcg cgaactttag  
300caggaggacc aatgattagc atttatgatg cagagacaga gcaacttcgt ataggaccgt  
360actcctggac accattn  
377

<210> 3335<211> 408<212> DNA<213> Homo sapien

ggcacgaggc ttcttctcct tggatttgt taggattcca agtaactctt atttgcctca  
60tgatccaca agctcagaaa tacatcgcgg aaagtaaagt ttagtcatt gaaaaaaatg  
120ggaaattacg atatgaaata gatactggag aagaaacaaa atttggttaac ccagaagatg  
180ttgccagact gatatttagt aaaatgaaag aaacggcaca ttctgtattg ggctcagatg  
240caaagtatgt agttattact gtcccgtttg attttggaga aaagcaaaaa aatgctcttg  
300gagaagcagc tagagctgct ggatttaagt ttttgcgatt aattcacgaa ccgtctgcag  
360ctcttcttgc ttatggaatt ggacaagact cccctactgg aaaaagct  
408

<210> 3336<211> 421<212> DNA<213> Homo sapien

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60tgggaaggaa cttggaagga aacgtggccc tgagaagctc cgctgccgtc ttcacgtact  
120gcaagtcaag gggactcttt gcaggcgtgt ctttagaagg gagctgtttg attgaaagga  
180aagaaactaa tagaaaattt tattgtcaag atatccgagc ttatgacatt ttatttggag  
240atacaccgcg gcctgtctca gccgaagatc tttatgaaat tcttgattcc tttactgaaa  
300agtatgaaaa tgaaggacaa cgaatcaatg caagaaaagc agcaaggag cagaggaagt  
360cttctgctaa agaattacct ccaaagccat tgtcaagacc acagcagtca tctgcaccag  
420t  
421

<210> 3337<211> 455<212> DNA<213> Homo sapien

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60gatgctgttg tagcttctga agttgtagaa catgtgattg atctagaaac atttttacag  
120tgctgtgtc aagtgttaaa acccgagggt tctttattca ttactacaat caacaaaaca  
180caactttcct atgccttggg aattgttttt tcagagcaca ttgcaggat tgtaccacaa  
240gggtactcata catgggagaa gtttgtttca cctgaaacac tagagagcat tctggaatca  
300aatgagctgt caggttcaac agtgtgagga atgctctata accccttctc aggttactgt

360cattggagcg aaaataccag ccttaactat gcagctcatg ctgcgaaatc caggggtccag  
420gaacaccac tctctgctga gtttgtttta caggg

455

<210> 3338<211> 417<212> DNA<213> Homo sapien

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60gctggcagag ctgaagacct ccctagcgca gcacttcaca gcagggccag gcagggccag  
120tgagtgacc tgctctact tcgtggagga gggacagcga aagactccta gccaggaggg  
180cctgccccctg gagcatgtgg ctggggaccg gtgcatccac gaggacctgc tagggctgac  
240cttccggatc tctccacacg ctttcttcca ggtgaacaca cccgcagccg aggtgctcta  
300cacagtcac caggactggg cccaattgga tgcggggagc atggtgctgg acgtgtgctg  
360tggcaccggc accattgggc tggccctggc ccggaaggta aagaggggtca ttgtgggt

417

<210> 3339<211> 414<212> DNA<213> Homo sapien

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60tgaggctcca gttgactcta tccaggcaga agagtggtag tttggaaaac ttggccgaaa  
120agatgctgag cgacagctat tgtccttttg aaaccaaga ggtacctttc ttatccgcga  
180gagtgaacc accaaagggt cctattcact ttctatccgt gattgggatg atatgaaagg  
240agaccatgtc aacattata aaattcgcaa acttgacaat ggtggatact acattaccac  
300ccggggcccag tttgaaacac ttcagcagct tgtacaacat tactcagaaa gctgatgggt  
360tgtgttttaa ctttaactgtg attgcatcga gttgtacccc aaaaacttct ggat

414

<210> 3340<211> 387<212> DNA<213> Homo sapien

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60tggcgctccg ctctctctcg tggttcctga cctgttctc cagcatcatg cctctagaga  
120gtgcggtgaa tgtggttagc tgcttcttct atgatggcat caaagccatc ttccagctgg  
180gactggctgt gcttgaggcc aatgctgagg acctgtgcag cagcaaggat gatggccagg  
240ccttgatgat cctcagcagg tttctagatc acattaagaa tgaggacagc ccagggcctc  
300cagttggcag ccaccatgcc tttttctcgg acgaccagga gccctacctt gtgactgata  
360tttcggacct gatccgggat tcttatg

387

<210> 3341<211> 415<212> DNA<213> Homo sapien

ggcacgagct acgggtcccg ctgtctcgca tgccaggcg gatccagag gccctgcagc  
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120atggggtacc agggcccgt gtgactgac tgcattgac gctacttcag ctgcgtccgg  
180aacgagacc acagcatctg cacagcctgt gacgagtct gcaagacgtg ctcgggcctg  
240accaacagag actgcggcga gtgtgaagtg ggtgggtgc tggacgaggg cgcctgtgtg  
300gatgtggacg agtgtgcggc cgagccgct cctgcagcg ctgcgagtt ctgtaagaac  
360gccaacggct cctacacgtg cgaagagtgt gactccagct gtgtgggctg cacag

415

<210> 3342<211> 398<212> DNA<213> Homo sapien

cgtgacctg gagcacctgc cctagagcgt gctccaggat gtcattcgca tctcccgtg  
60yctgggtgaa tatggccgca accaagattt catgaacgtc tactaccaga tacgtccag  
120ccagctggac cgctccatca aaggactgaa ggagcatttc cataagagca gttcttcctc  
180tgggggtccc tactcccctg ctatcccaa caagaggaaa gacacaccta ccaagaagcc  
240agtcaagcgg ccaggagag atgacatgct ggacgtggag accgatgcct acatccactg  
300cgtcagtgcc ttcgtcaagc tggcgcagag cgagtaccag ctgctggccg acatcatccc  
360cagcaccac cagaagaaga ctttcgactc cctgatac

398

<210> 3343<211> 374<212> DNA<213> Homo sapien

ggcacgaggg actaccactg ctccactcc cccaccgact ggactgtgtc ccaccggcgc  
60cacttcccag gctgcctgat gtcagtgaac cctggcatgg ctgctggat caaagagctc  
120ttctgccata acgagcgggt ggtcctgacg ggggactgga aacatggctt cttctcactg  
180acagctgtgg gggccaccaa cgtgggtcc attcgatct actttgaccg ggacctgcac  
240acaaacagcc caaggcacag caagggtcc tacaatgact tcagcttctg gacgcacacc  
300aatagagagg gcgtcccat gcgtaagggc gagcacctgg gcgagttcaa cctggggtcc  
360accatcgtgc tcat

374

&lt;210&gt; 3344&lt;211&gt; 405&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagcc accaggaaga tgtgatctac ctgcacctcc cactctacca catgtccggg  
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120ttctcggctg gtcagttctg ggaagattgc cagcagcaca ggggtgacggg gttccagtag  
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240aagggtccggc tggcagtggg cagcgggctg cgcccagata cctgggagcg ttttgtgcgg  
300cgcttcgggc ccctgcagg gctggagaca tatggactga cagagggcaa cgtggccacc  
360atcaactaca caggacagcg gngcgtgtg gggcgtgctt cctgg

405

&lt;210&gt; 3345&lt;211&gt; 425&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagct tacacctgat ggcaccaggt aatttctgac atttgaagtc ccacttaatg  
60attcaggatc tgcaggcctt ggtgtcagtg tcaaaggtaa cgggtcaaaa gagaaccacg  
120cagatttggg aatctttgtc aagtccatta ttaatggagg agcagcatct aaagatggaa  
180ggcttcgggt gaatgatcaa ctgatagcag taaatggaga atccctgttg ggcaagacaa  
240accaagatgc catggaaacc ctaagaaggt ctatgtctac tgaaggcaat aaacgaggaa  
300tgatccagct tattgttgca aggagaataa gcaagtgcaa tgagctgaag tcacctggga  
360cccccttg acctgagctg ccattgaaa cagcgttggg tgatagagaa cgaagaattt  
420cccat

425

&lt;210&gt; 3346&lt;211&gt; 410&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcaccgagct ctgattcctt caacgaggac atcgctgcct ttgccaaagca ggttcgctct  
60gagaggcccc tcttctctc caaccagaa ctggacaatc tgatgatcca ggccatccag  
120gtgctgcgg tccacctgct ggagctggag aagggtccacg acctgtgcga caacttctgt  
180cacgctaca tcacctgcct caagggaag atgcccatcg acctggatc cgaggatcgg  
240gacggcggct gcagggagga cttcgaggac taccagcct cctgccccag cctccagac  
300cagaataata tgtggattcg agaccatgag gatagtgggt ctgtacattt ggggaccca  
360ggtccatcca gtgggggcct ggcctcccag agaggggaca actccagtga

410

&lt;210&gt; 3347&lt;211&gt; 408&lt;212&gt; DNA&lt;213&gt; Homo sapien

cgccatcttc atcatgacct ccaatgtggc cagcgacgag atcgcacagc acgcgctgca  
60gctgaggcag gaagctttg agatgagccg taaccgtatt gccgaaaacc tgggggatgt  
120ccagataagt gacaagatca ccatctcaaa gaacttcaag gagaatgtga ttgcacctat  
180cctgaaagct cacttccgga gggatgagtt tctgggacgg atcaatgaga tgcctactt  
240cctcccttc tgccactcgg agctcatcca actcgtcaac aaggaactaa acttctgggc  
300caagagagcc aagcaaaggc acaacatcac gctgctctgg gaccgcgagg tggcagatgt  
360gctggctgac ggctacaatg tgcactatgg cgccgctcc atcaaagc

408

&lt;210&gt; 3348&lt;211&gt; 417&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggcctaatac acttcagact acacaactat acagaagctt tggagtcact  
60gcaaaagaaa accgagattg cactggaaca tcccatgtta acagatattc atgacaagct  
120gggtgttgaag ggtgattttg atgcttgcga agagttgatt gaaaaggctg taaatgatgg  
180cttgttcaat cagtatatca gtcaacagga atataagcca cgatggagtc aaatcattcc  
240caaaagtacc aaaggatgat gggaagataa ccgtccagga atgagaggag gccatcagat  
300ggttattgat gttcaaacag agactgttta tttgtttggg ggctgggatg gaacacaaga  
360tcttgctgac ttctgggcgt acagtgtgaa ggagaaccag tggacatgta tctctag

417

&lt;210&gt; 3349&lt;211&gt; 426&lt;212&gt; DNA&lt;213&gt; Homo sapien

cggtgctgtc ggtagtgcag taccagatc tcagtgacca cgagttcatt gagggaaagg  
60aaaacagatt gctccaattg tgcagcgaa ctatggctct tctgtagga cgaggaatgt  
120ttaccttgtt ttctgacct cctgttccaa cagagccatt gctattcct aatttgaatc  
180tgactgggag tgccccctct cggaacacaa cagtagacct taatagtga aacatcgatg  
240tgctcccaa catgacaagc tgggacagct ttcataatgg tgtggctgct ggctgaaga  
300tagctcctgc ctcccagatc gactcagctt ggattgttta caataagccc aagcatgctg  
360agttggccaa tgagtatgct ggctttctca tggctctggg tttgaatggg caccttacca  
420agctgg

426

&lt;210&gt; 3350&lt;211&gt; 461&lt;212&gt;\* DNA&lt;213&gt; Homo sapien

ttgttctttt cgaggannnc agggatgtca attccgttgc tgcggccta aaacacttca  
60gactacacaa ctatacagaa gcttttgagt cactggggaa gaaaaccaag attgcactgg  
120aacatcccat gttaacagat attcatgaca agctgggtgtt gaagggtgat tttgatgctt  
180gcgaagagtt gattgaaaag gctgtaaatg atggcttggt caatcagtat atcagtcaac  
240aggaatataa gccacgatgg agtcaaatca ttcccaaaag taccaaaggat gatggggaag  
300ataaccgtcc aggaatgaga ggaggccatc agatgggttat tgatgttcaa acagagactg  
360tttatttgtt tgggtggctgg gatggaacac aagatcttgc tgacttctgg gcgtacagtg  
420tgaaggagaa ccagtggaca tgtatctcta gagacactga n

461

&lt;210&gt; 3351&lt;211&gt; 419&lt;212&gt; DNA&lt;213&gt; Homo sapien

ggcacgaggg gtttgccatg gtaggaaatg tctcagtaca catgcttgtg cctgccctct  
60taccgatgct gagtgtgttg aatgtgaacg aggcgtgtgg gaccatggag gcagaatatt  
120cagttgttct ttttgccata actttctctg tgaagatgat caatttgagc atcaagccag  
180ctgccaggtt ttagaggcag aaacatttaa atgtgtttca tgcaatcggc ttggtcagca  
240ctcatgtctc cgttgtaagg cttgtttctg tgatgatcat acaaggagca aagtgtttaa  
300gcaagaaaaa ggaaaacagc ctccttgtcc taaatgtggg catgaaactc atgagactaa  
360ggaccttagc atgtcaacac gctccctgaa atttggcagg cagactggag gtgaagagg

419